



Electrical & Automation

POWERING A NON-STOP INDIA

LOW VOLTAGE | INDUSTRIAL AUTOMATION | SOFTWARE SOLUTIONS



**Maximum Retail Prices
For Electrical Standard Products**
Effective from 01-03-26

FROM THE COO'S DESK.



Electrical & Automation

Dear Partner,

Your continued trust and partnership have been the cornerstone of our journey. Building on a legacy of over 70 years, and following our refreshed identity last year, we remain focused on delivering **innovative, reliable, and high-quality products** that power progress.

As part of this journey, we are pleased to **share an updated price list**. This revision reflects our ongoing commitment to **transparency, quality, and excellence**, ensuring you continue to receive the best value and service.

At Lauritz Knudsen, our philosophy remains simple yet powerful: **We listen. We partner. We innovate.**

These words guide our actions and shape the way we grow - together.

We look forward to continuing our collaboration and powering up homes, industries, farms, infrastructure, businesses, and lives - with you by our side.

Wishing you a joyful festive season and continued success.

A handwritten signature in blue ink that reads "Naresh Kumar".

Warm regards,
Naresh Kumar
COO & Sr. VP, Electrical Standard Products
Lauritz Knudsen Electrical & Automation

Powering a non-stop India with a wide range of solutions

Power Distribution



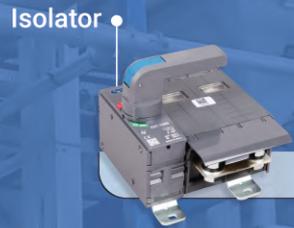
ACB



MCCB



ATS



Isolator

Motor Management



Contactor



Overload Relays



Electronic Motor Protection



Intelligent Motor Protection

Energy Management



Power Quality Analyzer



AHF & ASVG



Capacitor



Capacitor Switching Solution

Home & Distribution



MCB



RCD



Distribution Board

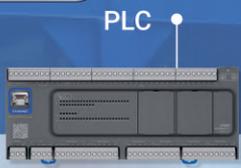


Switches

Industrial Automation



AC Drives



PLC



HMI



Gateways

Protection Relay



Protection Relays



Insulation Monitoring



Thermal Monitoring

Panel Solutions



IEC Solutions



Hybrid APFC Panel

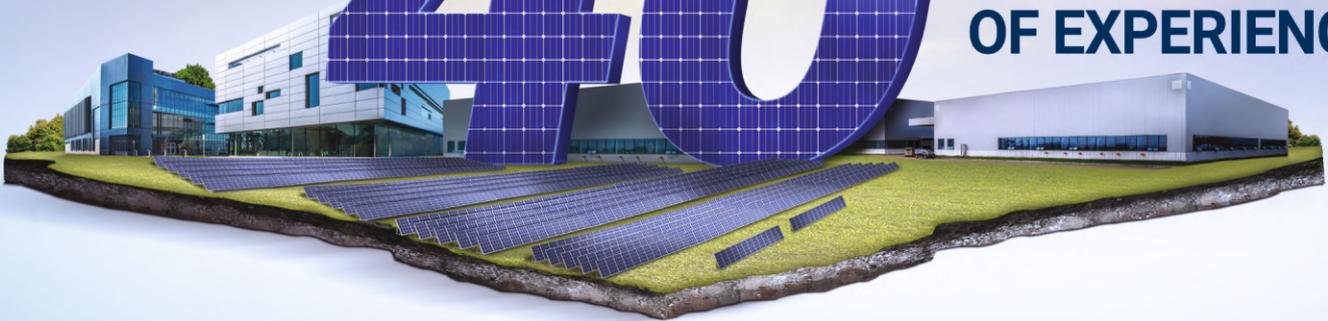
Software

SMARTCOMM

-  **Design**
Electrical Installation Sizing And Simulation
-  **Build**
Estimation, Engineering And Quality Check
-  **Commission**
Configuration And Testing Of Various Products
-  **Operate**
Power Management Software To Connect Electrical Systems And Process Efficiency
-  **Predict**
Asset Management and predictive Maintenance

**SOLAR
ELECTRIFICATION
BACKED BY**

40 GW
OF EXPERIENCE.**



Our proven 800VAC power distribution systems deliver performance, protection, and peace of mind across solar plants in India and abroad.



1350+ Projects
Delivered



250+ Trained
System
Integrators



215+ EPC
Collaborations



250+
Developers
Onboard



120+ Service
Centres across
India



Made in
India

**For Battery Energy Storage Solution (BESS)
contact CIC or nearest Sales office**

Scan to
Know More



Efficient DC Solutions up to 1500V DC

Applications:

- › Battery Energy Storage System
- › Central Inverter Application
- › EV System

MCCB

- › Range from 16A to 800A
- › DC Operational Voltages of 1500V, 1000V, 750V, 500V & 250V
- › Ambient Temperature Compensated DC Releases
- › Internal Accessory Compatibility for all DC Applications
- › Service Breaking Capacity Ics upto 50kA



ACB - SD

- › Disconnector versions up to 6300A*
- › DC Voltage ratings 1500V[#], 1000V, 750V, 500V & 250V
- › Service Breaking Capacity Ics upto 100kA

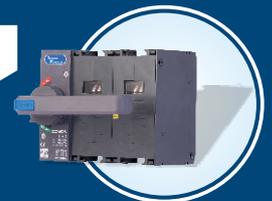
* 6300A in two pole series connection for voltage up to 500V DC

[#] Upcoming version



SWITCH DISCONNECTOR

- › Range: 125A to 630A
- › Voltage: 1000/1500V DC



MCB

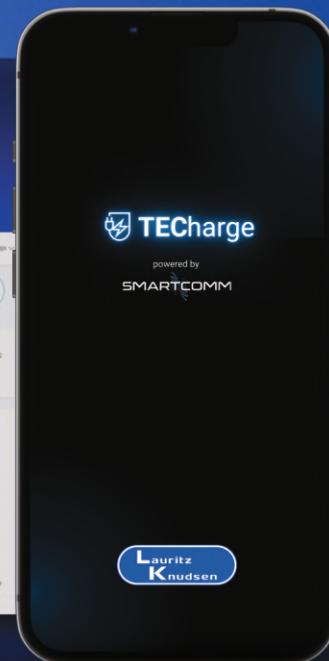
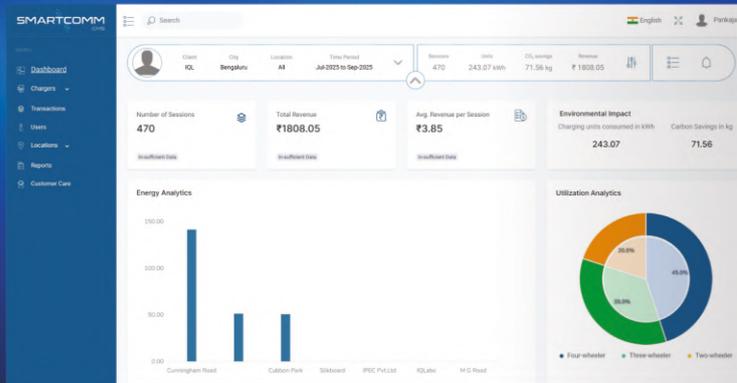
- › Conforms to IEC 60947-2
- › Current rating upto 63A
- › Available in SP/DP and FP versions
- › Voltage rating available from 130V DC to 1000V DC





TECharge

Powering the **Future of Mobility** with
Integrated EV Charging Solutions



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KEY FEATURES

» INTEGRATED SYSTEM:

Combines EV Chargers, SmartComm CMS, and TECharge Mobile App for seamless operation

» RATINGS:

AC Chargers 7.4kW and 22kW with Type-2 IEC 62196 connector | 3.3kW Smart Socket

» TAKE CONTROL OF YOUR EV CHARGING NETWORK:

Charging Management Software gives facility managers real-time visibility to proactively manage their network, ensuring reliability and uninterrupted service

» SECURE ACCESS:

RFID authentication and app-based access control to prevent unauthorized usage.

» CUSTOM TARIFF & BILLING:

Enable pay-per-use charging with flexible pricing and secure payment options

» USAGE ANALYTICS DASHBOARD:

Track revenue, session frequency, and user behavior to optimize your operations

COMING SOON.

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Note:

[Black colour : HSN code]

Current GST 18%, subject to changes as per Govt. notification

**Please contact the nearest branch office for
Prices of the following products :**

- › **Final Distribution Products - 6kA MCBs**
- › **Wires, Cables and Flat Cables**
- › **Busbar Trunking Systems**
- › **Rotary Switches**
- › **Modular Remote Control Units & Indicating Units**
- › **Timing Devices & Supply Monitors**
- › **Cable Ducts & Load Break Switches**
- › **Modular Switches and Sockets**
- › **Medium Voltage AIS upto 36kV**
- › **Agricultural Electrical Products**

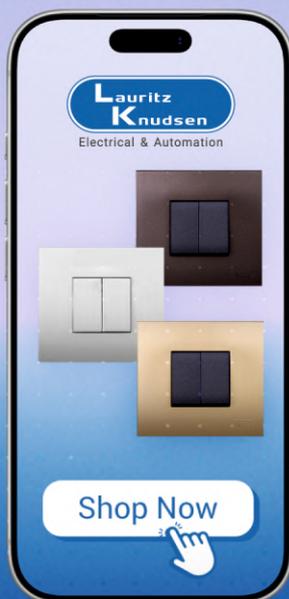
Note: Product photographs shown, are for representative purposes only.

SMARTSHOP

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SCAN NOW



BRAND-AUTHORISED
SELLERS



WIDE ELECTRICAL
RANGE



NATIONWIDE
DELIVERY SUPPORT



BULK ORDER
DISCOUNTS

Contactors

Power Contactors

2 Pole

- › MNX
- › MU-2P

3 Pole

- › MO
- › MNX
- › MI
- › MX Power
- › ML
- › MDX (DC Control/Electronic coil Control)

4 Pole

- › MCX

Control Relays (Auxiliary Contactors)

- › MX0 (Mini) AC/DC
- › MO0 AC/DC

Capacitor Duty Contactors

- › MO C

MI Contactors 6-150A, AC-3 Rating

Optimum solution
for your applications



Understanding customer requirements, we make sure that our range of contactors caters to their evolving needs. Considering the changing expectations of customers and a need for an optimum and reliable solution, we introduce MI range of contactors for applications upto 150 A AC3 rating.

Features

- › Finger proof terminals upto 40A
- › Can be used with existing MN Range of thermal overload relays
- › Top mounting add-on blocks possible upto 80A
- › Spares available for entire range
- › Optimised for AC1/AC3 applications

Applications

- › Street lighting
- › VFD, Soft Starters applications
- › UPS
- › Solar and Wind inverters
- › Resistive loads
- › Battery charging
- › Motor Starters

* For accessories and more details please contact nearest branch.

Type	Cat. No.	M.R.P. (₹) Per Unit
MI 6 (With 1 NO aux contact)	CS90401	Price on Request*
MI 9 (With 1 NO aux contact)	CS90402	
MI 12 (With 1 NO aux contact)	CS90403	
MI 18 (With 1 NO aux contact)	CS90404	
MI 22 (With 1 NO aux contact)	CS90405	
MI 25 (With 1 NO aux contact)	CS90406	
MI 32	CS90407	
MI 40	CS90408	
MI 45	CS90704	
MI 50	CS90705	
MI 70	CS90706	
MI 80	CS90707	
MI 95	CS90724	
MI 120	CS90725	
MI 150	CS90726	

Notes:

- 1) Standard coil voltage: 110V, 220V, 240V and 415V, 50Hz
- 2) For ordering Suffix, please refer page No. 10

Customer Interaction Center (CIC)

Phone no: 022-6932 7800

Web: www.LK-EA.com | e-mail: CIC@LK-EA.com

3 Pole Power Contactors [8536]

3 Pole Power Contactors - Type MNX

Features

- › Conforms to IS / IEC 60947-4-1 & IEC 60947-4-1
- › Range from 9A – 650A AC-3
- › Click fit type construction up to 40A
- › Coil on top design in 95A and above
- › Spares available for entire range



MNX 22



MNX 40



MNX 80



MNX 140



MNX 250



MNX 650

3 Pole Power Contactors - Type MO

Features

- › Conforms to IS / IEC 60947-4-1 & IEC 60947-4-1
- › Range from 9A - 300A AC-3
- › Range 140A-300A available with conventional / universal AC/DC electronic coil version
- › Common coil for 50 & 60Hz application
- › Low pick-up VA consumption
- › Standardized accessories for 9A-110A and 140A-300A range
- › Compact dimensions saving panel space
- › Suitable for Lug as well as Lugless termination
- › **RoHS** compliant



MO 18



MO 45



MO 70



MO 110



MO 140



MO 250

Size	AC3 Rating (A)	AC1 Rating (A)	Type	Aux. Contacts	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Fr 1	9	25	MNX 9	1 NO	CS94106	1220	20
				1 NC	CS94107	1220	20
	12	30	MNX 12	1 NO	CS94108	1410	20
				1 NC	CS94109	1410	20
	18	30	MNX 18	1 NO	CS94100	1680	20
				1 NC	CS94101	1680	20
22	32	MNX 22	1 NO	CS94980	1860	20	
			1 NC	CS94981	1860	20	
Fr 2	25	45	MNX 25	#	CS94110	1930	20
	32	55	MNX 32	#	CS94111	4130	20
	40	55	MNX 40	#	CS94190	6170	20
Fr 3	50	85	MNX 50	#	CS97075	8980	1
	70	100	MNX 70	#	CS97076	12660	1
	80	100	MNX 80	#	CS97077	15660	1
	95	160	MNX 95	2 NO + 2 NC	CS94136	25420	1
Fr 4	110	160	MNX 110	2 NO + 2 NC	CS94137	31010	1
	140	160	MNX 140	2 NO + 2 NC	CS94138	39550	1
	185	250	MNX 185	2 NO + 2 NC	CS94139	47040	1
Fr 5	225	300	MNX 225	2 NO + 2 NC	CS94140	51980	1
	250	300	MNX 250	2 NO + 2 NC	CS94141	58110	1
	300	400	MNX 300	2 NO + 2 NC	CS90280	70190	1
Fr 6	400	425	MNX 400	2 NO + 2 NC	CS94144	101270	1
	550	650	MNX 550	2 NO + 2 NC	CS94145	148730	1
	650	800	MNX 650	2 NO + 2 NC	CS96327	222500	1

Size	AC 4 Rating (A)	AC 3e Rating (A)	AC 1 Rating (A)	Type	Aux. Contacts	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Fr 0	9	9	30	MO 9	1 NO+1 NC	CS94833	2280	10
	12	12	32	MO 12	1 NO+1 NC	CS94834	2570	10
	18	18	32	MO 18	1 NO+1 NC	CS94835	2920	10
Fr 1	25	25	45	MO 25	#	CS94567	3240	10
	32	32	50	MO 32	#	CS94568	6750	10
	40	40	50	MO 40	#	CS94569	10240	10
	45	45	50	MO 45 ▲	#	CS94570	13140	10
Fr 2	50	50	100	MO 50	#	CS94572	14130	1
	60	60	100	MO 60	#	CS94573	15630	1
	70	70	100	MO 70	#	CS94574	19160	1
Fr 3	80	80	125	MO 80	#	CS94576	24270	1
	95	95	125	MO 95	#	CS94577	29010	1
	110	110	140	MO 110	#	CS94578	35150	1
Fr 4	140	140	250	MO 140	2 NO+2 NC	CS95000	47620	1
	185	185	275	MO 185	2 NO+2 NC	CS95001	55600	1
	225	225	275	MO 225	2 NO+2 NC	CS95002	61970	1
Fr 4*	140	140	250	MO 140	2 NO+2 NC	CS95042	62320	1
	185	185	275	MO 185	2 NO+2 NC	CS95047	77370	1
	225	225	275	MO 225	2 NO+2 NC	CS95052	82330	1
Fr 5	250	250	400	MO 250	2 NO+2 NC	CS94441	70420	1
	300	300	500	MO 300	2 NO+2 NC	CS94440	84860	1
	250	250	400	MO 250	2 NO+2 NC	CS94456	90980	1
Fr 5*	300	300	500	MO 300	2 NO+2 NC	CS94464	105210	1

Notes:

- # Add-on blocks can be ordered separately
 - For ordering MNX/MO add-on aux contact blocks, please refer page No.8
 - For ordering MNX/MO surge suppressor and MNX/MO MIL kit, please refer page No.9
 - For ordering Suffix, please refer page No.10
 - Standard coil voltage: MNX/MO - 110V, 220V, 240V and 415V, 50Hz.
- › If using 16 sq mm cable for MO 45 use of spreader link kit is mandatory
 - › For ordering spreader link kit for MO 45, Please refer page No.9
 - * Universal AC/DC electronic coil version

Switching solution for all Utilization Categories from MO platform



2 Pole Power Contactors [8536]

2 Pole Power Contactors - Type MNX

Features

- › Conforms to IS / IEC 60947-4-1 & IEC 60947-4-1
- › Range from 9A - 650A AC-3
- › DC ratings available
- › Click fit type construction up to 40A
- › Coil on top design in 95A and above
- › Common spares and accessories as MNX 3P

Size	AC3 Rating (A)	AC1 Rating (A)	Type	Aux. Contacts	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Fr 1	9	25	MNX 9-2P	1 NO	CS90232	1035	10
	12	30	MNX 12-2P	1 NO	CS90234	1200	10
	18	30	MNX 18-2P	1 NO	CS90236	1430	10
	22	32	MNX 22-2P	1 NO	CS90238	1580	10
Fr 2	25	45	MNX 25-2P	#	CS90240	1640	10
	32	55	MNX 32-2P	#	CS90241	3510	10
	40	55	MNX 40-2P	#	CS90242	5240	10
Fr 3	50	85	MNX 50-2P	#	CS94061	7630	1
	70	100	MNX 70-2P	#	CS94062	10760	1
	80	100	MNX 80-2P	#	CS94063	13300	1
Fr 4	95	160	MNX 95-2P	#	CS94064	21600	1
	110	160	MNX 110-2P	#	CS94065	26400	1
	140	160	MNX 140-2P	#	CS94066	33600	1
Fr 5	185	250	MNX 185-2P	2 NO + 2 NC	CS94978	40000	1
	225	300	MNX 225-2P	2 NO + 2 NC	CS94979	44200	1
	250	300	MNX 250-2P	2 NO + 2 NC	CS90301	49400	1
Fr 6	300	400	MNX 300-2P	2 NO + 2 NC	CS90346	59700	1
	400	425	MNX 400-2P	2 NO + 2 NC	CS94069	86100	1
	550	650	MNX 550-2P	2 NO + 2 NC	CS90243	126400	1
	650	800	MNX 650-2P	2 NO + 2 NC	CS90578	189100	1

3 Pole Power Contactors [8536]

3 Pole Power Contactors - Type MX Mini

Features

- › Conforms to IS / IEC 60947-4-1 & IEC 60947-4-1
- › AC/DC Contactor in 45mm width
- › Base as well as DIN Rail mounting facility
- › Built-in Surge Suppressor in MX DC



MX 06

AC3 Rating (A)	AC1 Rating (A)	Type	Aux. Contact	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
For AC control (Std. Coil Voltage - 24, 110, 240, 415V, 50Hz)						
6A	20A	MX 06	1 NO	CS94012	1530	10
6A	20A	MX 06	1 NC	CS94013	1530	10
9A	20A	MX 09	1 NO	CS94014	1570	10
9A	20A	MX 09	1 NC	CS94015	1570	10
12A	20A	MX 12	1 NO	CS94016	1730	10
12A	20A	MX 12	1 NC	CS94017	1730	10
For DC control (Std. Coil Voltage - 24, 110, 220V)						
6A	20A	MX 06	1 NO	CS94021	2370	10
6A	20A	MX 06	1 NC	CS94022	2370	10
9A	20A	MX 09	1 NO	CS94023	2510	10
9A	20A	MX 09	1 NC	CS94024	2510	10
12A	20A	MX 12	1 NO	CS94025	2820	10
12A	20A	MX 12	1 NC	CS94026	2820	10

3 Pole Power Contactors [8536]

3 Pole Power Contactors - Type MDX

Features

- › Conforms to IS/IEC 60947-4-1 & IEC 60947-4-1
- › Range from 9 - 115A AC-3
- › Built in surge suppressor for MDX 9 - 115



MDX 25



MDX 38



MDX 115

Size	AC3 Rating (A)	AC1 Rating (A)	Type	Aux. Contacts	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Fr 1 (DC Control Coil)	9	25	MDX 9	1 NO	CS96564	2500	1
	12	28	MDX 12	1 NO	CS96565	2930	1
	18	32	MDX 18	1 NO	CS96566	3530	1
	25	32	MDX 25	1 NO	CS96567	4650	1
Fr 2 (DC Control Coil)	32	56	MDX 32	#	CS96552	8970	1
	38	56	MDX 38	#	CS96553	12620	1
Fr 3 (Electronic Coil-AC/DC)	50	90	MDX 50	#	CS91584	18320	1
	65	110	MDX 65	#	CS91585	20750	1
	80	125	MDX 80	#	CS91586	25730	1
	95	125	MDX 95	#	CS91857	30820	1
	115	125	MDX 115	#	CS91858	34340	1

* (Frame 1&2) - Available till stock last

Notes:

- 1) # Add-on blocks can be ordered separately.
- 2) For ordering MDX/MNX add-on aux contact blocks, please refer page No.8
- 3) For ordering MNX surge suppressor and MIL kit, please refer page No.9
- 4) For ordering Suffix, please refer page No.10
- 5) Standard coil voltage: MDX - 24V, 48V, 115V and 220V DC
- 6) Standard coil voltage: MNX 2P - 240V, 50Hz
- 7) For DC power ratings refer catalogue
- 8) For MDX side add-on and top add-on can not be mounted together

3 Pole Power Contactors - Type ML

Features

- › Conforms to IS/IEC 60947-4-1 & IEC 60947-4-1
- › Range from 25A- 300A AC-3
- › Robust and suitable for hostile applications



ML 1.5



ML 3

Size	AC3 Rating (A)	AC1 Rating (A)	Type	Aux. Contacts	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Fr 1	25	25	ML 1.5	2 NO + 2 NC	SS91851	6520	1
Fr 2	32	40	ML 2	2 NO + 2 NC	SS90701	12110	1
	40	45	ML 3	2 NO + 2 NC	SS90721	17860	1
Fr 3	70	100	ML 4	2 NO + 2 NC	SS90910	29180	1
	110	125	ML 6	2 NO + 2 NC	SS90921	46180	1
Fr 4	300	400	ML 12	2 NO + 2 NC	SS91010	104540	1

Notes:

- 1) For ordering MX add-on aux contact blocks, please refer page No.8
- 2) For ordering ML add-on aux contact blocks, please refer page No.9
- 3) For ordering MX surge suppressor and MIL kit, please refer page No.9
- 4) For Ordering Suffix, please refer page No.10
- 5) Standard Coil Voltage : ML 1.5/2/3 - 110V, 240V and 440V, 50 Hz
ML 4/6/12 - 110V, 240V and 415V, 50 Hz

4 Pole Power Contactors [8536]

4 Pole Power Contactors - Type MCX

Features

- › Conforms to IS / IEC 60947-4-1 & IEC 60947-4-1
- › Range from 18A - 900A
- › Wide operating band up to 130A AC-1
- › Power contacts configuration - 4 NO



MCX 22



MCX 34



MCX 47

Size	AC-1 Rating (A)	Type	Aux Contacts	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Fr 1	18	MCX 01	#	CS97009	1600	10
	25	MCX 02	#	CS97010	1660	10
	32	MCX 03	#	CS97011	1840	10
	40	MCX 04	#	CS97012	2660	10
Fr 2	55	MCX 11	#	CS97013	3530	1
	63	MCX 12	#	CS97014	7050	1
	80	MCX 13	#	CS97015	9880	1
Fr 3	105	MCX 22	#	CS97017	14560	1
	130	MCX 23	#	CS97018	15500	1
Fr 4	160	MCX 32	2 NO + 2 NC	CS97020	28190	1
	200	MCX 33	2 NO + 2 NC	CS97021	30270	1
	255	MCX 34	2 NO + 2 NC	CS97022	35580	1
Fr 5	325	MCX 41	2 NO + 2 NC	CS97023	60570	1
	360	MCX 42	2 NO + 2 NC	CS97024	64890	1
	400	MCX 43	2 NO + 2 NC	CS97025	75320	1
	560	MCX 44	2 NO + 2 NC	CS97026	106770	1
	600	MCX 45	2 NO + 2 NC	CS97027	112860	1
	700	MCX 46	2 NO + 2 NC	CS97028	126650	1
	900	MCX 47	2 NO + 2 NC	CS94291	204730	1

Notes for MCX:

- 1) # Add-on blocks can be ordered separately.
- 2) For ordering MCX add-on aux contact blocks, please refer page No.8
- 3) For ordering MCX surge suppressor and MIL kit, please refer page No.9
- 4) For Ordering Suffix, please refer page No.10
- 5) Standard Coil Voltage: MCX - 220V, 240V and 415V 50Hz
- 6) Mounting of side add-on aux. contact block is not recommended for mechanically interlocked MCX 11/12/13 contactors
- 7) MCX 01-04 and MCX 11-13 available in 48V DC coil. Contact nearest branch for more details.

To avoid coil failure due to neutral floating, it is recommended to use 415V coil

AST System Components [9032]

Automatic Transfer Controllers (ATC)



AuXC-2000 Controller

For AuXC 2000/2100 programming videos and more details please scan the QR code or click here



Type	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
AuXC-2000 Controller	ATC20000000	39800	1
AuXC-2100 Controller** with Optional RS485	ATC21000000	79400	1
RS485 Module for AuXC-2100 Controller**	ETACONRS485	15800	1

Can be used along with ACB, Motorised MCCBs, MCX contactors & Motorised Changeover switches

**Note: RS485 expansion module needs to be ordered with AuXC-2100 for communication

Control Relays (Auxiliary Contactors) [8536]

Type MX0 AC



MX0 22E

Features

- › Conforms to IS / IEC 60947-4-1 & IEC 60947-4-1
- › Available with AC or DC control in same dimension
- › Inbuilt Surge Suppressor in MX DC

Rated Current	Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
For AC control std. Coil Voltage - 24, 110, 240, 415V, 50Hz				
AC-15 4A at 415V	MX0 40E (4 NO)	CS94018	1780	10
	MX0 31E (3 NO + 1 NC)	CS94019	1780	10
	MX0 22E (2 NO + 2 NC)	CS94020	1780	10
	MX0 13E (1 NO + 3 NC)	CS94041	1780	10
	MX0 04E (4 NC)	CS94042	1780	10

Type MX0 DC

Rated Current	Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
For DC control std. Coil Voltage - 24, 110, 220V				
AC-15 4A at 415V	MX0 40E (4 NO)	CS94027	2210	10
	MX0 31E (3 NO + 1 NC)	CS94028	2210	10
	MX0 22E (2 NO + 2 NC)	CS94029	2210	10
	MX0 13E (1 NO + 3 NC)	CS94043	2210	10
	MX0 04E (4 NC)	CS94044	2210	10

- Notes: 1) For Ordering Suffix, please refer page No.10
 2) 5 NC & above combinations are not recommended for MX0 DC Control Contactors
 3) 1 NO + 3 NC, 4 NC add-on block combinations are not recommended for MX0 DC Control Contactors.

New 2 NO + 2 NC Power Contactor - Type MCX

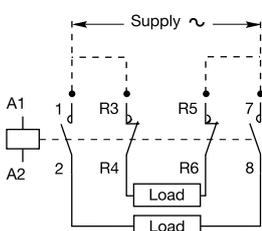
Features

- › Conforms to IS / IEC 60947-4-1 & IEC 60947-4-1
- › Range from 18A - 40A
- › Power contacts configuration - 2 NO + 2 NC

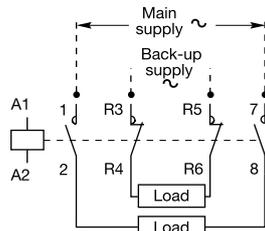
Size	AC-1 Rating (A)	Type	Power Contacts	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Fr 1	18	MCX 01-22	2 NO + 2 NC	CS91107	1600	10
	25	MCX 02-22	2 NO + 2 NC	CS91108	1660	10
	32	MCX 03-22	2 NO + 2 NC	CS91109	1840	10
	40	MCX 04-22	2 NO + 2 NC	CS91110	2660	10

Block diagrams

Single supply and 2 separate loads



2 separate supplies and 2 separate loads



⚠ MCX 2NO + 2NC contactors are not suitable for a reversing starter or for controlling a single load from 2 separate supplies.

Type MO0 AC



MO0 AC

Features

- › Same add-on aux. contact block in MO0 as of MO power contactors
- › Common coil for 50 & 60Hz application

Rated Current	Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
For AC control std. Coil Voltage - 24, 110, 240, 415V, 50Hz				
AC-15 4A at 415V	MO0 40E (4NO)	CS91623	1070	10
	MO0 31E (3NO + 1NC)	CS91624	1070	10
	MO0 22E (2NO + 2NC)	CS91625	1070	10

Note: 6NC & above combination is not recommended for MO0 AC
For ordering add-on contact blocks of MX0, MO0, please refer page no.8

Type MO0 DC



MO0 DC

Features

- › Same add-on aux. contact block in MO0 as of MO power contactors
- › Inbuilt Surge Suppressor in MO0 DC

Rated Current	Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
For DC control std. Coil Voltage - 24, 48, 110, 220				
AC-15 4A at 415 V	MO0 40E (4NO)	CS90045	2390	10
	MO0 31E (3NO + 1NC)	CS90046	2390	10
	MO0 22E (2NO + 2NC)	CS90047	2390	10

Note: 5NC & above combination is not recommended for MO0 DC
For ordering add-on contact blocks of MX0, MO0, please refer page no.8

Capacitor Duty Contactors [8536]

Capacitor Duty Contactors - Type MO C



MO C50



MO C100

Size	kVA Rating @ 440V, 3Ph, 50Hz	Type	Built-in Auxiliary Contacts	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Fr 1	3	MO C3	1NO	CS96146	2660	1
	5	MO C5	1NO	CS96127	2820	1
	8.5	MO C8.5	1NO	CS96320	3360	1
	10	MO C10	1NO	CS96156	3590	1
	12.5	MO C12.5	1NO	CS96321	3750	1
	15	MO C15	1NO	CS90019	4890	1
	20	MO C20	1NO	CS90021	5630	1
	25	MO C25▲	1NO	CS96322	6170	1
Fr 2	30	MO C30\$	1NO	CS96148	9190	1
	40	MO C40	1NO	CS96147	15500	1
	50	MO C50	1NO	CS96324	17390	1
Fr 3	60	MO C60\$	1NO	CS96149	18710	1
	75	MO C75	1NO	CS96150	22760	1
	85	MO C85	1NO	CS96157	23270	1
	100	MO C100\$	1NO	CS96158	23730	1

Features

- › Conforms to IS / IEC 60947-4-1 & IEC 60947-4-1
- › MO C Range available from 3 - 100 kVA, AC-6b
- › Delatching type early make contacts
- › Separate termination for damping resistors
- › Encapsulated damping resistor assembly
- › Common coil for 50 & 60Hz application
- › Low pick-up VA consumption
- › Standard accessories throughout the range in line with MO contactor
- › Suitable for Lug as well as Lugless termination
- › **RoHS** compliant

**For Power Quality Solutions,
please refer page No. 87-95**

Note:

- 1) For ordering add-on aux. contact block, please refer page No.8
- 2) For ordering suffix, please refer page No.10
- 3) For ordering spare coils, please refer page No.11
- 4) Standard coil voltage : 240V, 50/60 Hz
- 5) For ordering MO C surge suppressor, please refer page No.9

▲ If using 16 sq mm cable use of spreader link kit is mandatory

▲ For ordering spreader link kit, Please refer page No.9

\$ Spreader link along with phase barrier included in packing

Definite Purpose Contactors [8536]

Two Pole Contactors - Type MU-2P

Features

- › Wide band potted coil
- › Neutral isolation



MU 16-2P

AC3 Rating (A)	Type	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
16A	MU16-2P	CS90117	1300	10
25A	MU25-2P	CS90118	1580	10
40A	MU40-2P	CS90119	2010	10

Note:

- 1) Coil voltages available for MU-2P are 220V, 240V, wide band coil 160-220V
- 2) Ordering suffix for wide band coil of MU-2P is N000
- 3) For ordering add-on aux. contact block, please refer page No.8

Accessories - Add-on Auxiliary Contact Blocks [8538]

	MNX 9-80	MNX 95-650	MO 9-110	MO 140-300	ML	MX	MDX 9-115	MCX 01-23	MCX 32-47	MX0	MO0	MO C	MU-2P
Front add-on possible	Yes	No	Yes	No	No	Yes	Yes	Yes	No	Yes	Yes	No	Yes
Side add-on possible	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	No

Note: 1) Mounting of side add-on aux. contact block is not recommended for mechanically interlocked MCX 11/12/13 contactors

2) Accessories are common for MNX 2P & MNX 3P contactors

Front Mounting Add-on aux. Contact Block



**MNX / MCX
Front Add-on
aux. contact Block**



**MO / MO0
Front Add-on
aux. contact Block**



**MDX Front
Add-on
aux. contact Block**



**MX Front
Add-on
aux. contact Block**



**MU-2P
Front Add-on
aux. contact Block**

Front Mounting	Suitable for									
	MNX 9-80 / MCX 01-23	M.R.P. (₹) Per Unit	MO 9-110 / MO0	M.R.P. (₹) Per Unit	MDX# 9-115	M.R.P. (₹) Per Unit	MX 0/6/9/12	M.R.P. (₹) Per Unit	MU-2P	M.R.P. (₹) Per Unit
4 NO	CS94112 [^]	830	CS94594 [^]	830	-	-	CS94033 [^]	780	-	-
3 NO + 1 NC	CS94113 [^]	830	CS94595 [^]	830	-	-	CS94034 [^]	780	-	-
2 NO + 2 NC	CS94114 [^]	830	CS94596 [^]	830	CS96569 [~]	1085	CS94035 [^]	780	-	-
1 NO + 3 NC	CS94115 [^]	830	CS94597 [^]	830	CS90906 [~]	1085	CS94036 [^]	780	-	-
4 NC	CS94116 [^]	830	CS94598 [^]	830	-	-	CS94037 [^]	780	-	-
2 NO	CS94117 [^]	545	CS94591 ^{^^}	545	-	-	CS94030 [^]	505	CS90692 [^]	545
1 NO + 1 NC	CS94118 [^]	545	CS94592 ^{^^}	545	CS96568 [~]	635	CS94031 [^]	505	CS90693 [^]	545
2 NC	CS94119 [^]	545	CS94593 ^{^^}	545	-	-	CS94032 [^]	505	CS90694 [^]	545
1 NO	CS94120 [^]	280	CS94585 ^{^^}	280	CS96586 [~]	355	-	-	CS90695 [^]	280
1 NC	CS94121 [^]	280	CS94586 ^{^^}	280	-	-	-	-	CS90696 [^]	280

[^]For MDX Side add-on and top add-on can not be mounted together

^{*}MDX add-on available till stock last



**MNX/MCX
Side Add-on aux. contact Block**



**MO/MO C
Left Add-on aux. contact Block**

Side Mounting Add-on aux. Contact Block

Side Mounting	Aux Contact	Suitable for							
		MNX 9-40/ MCX 01-04	M.R.P. (₹) Per Unit	MCX 11-13	M.R.P. (₹) Per Unit	MNX 50-80/ MCX 22-23	M.R.P. (₹) Per Unit	MO 9-110/ MO C 3-100	M.R.P. (₹) Per Unit
First left	1 NO+1 NC	CS94220 [^]	880	CS94201 [^]	950	CS94201 [^]	950	CS94580 [^]	880
First Right	1 NO+1 NC	CS94221 [^]	880	CS94202 [^]	950	CS94202 [^]	950	CS94581 [^]	880
Second Left	1 NO+1 NC	-	-	-	-	CS94203 [^]	950	CS94582 [^]	880
Second right	1 NO+1 NC	-	-	-	-	CS94204 [^]	950	CS94583 [^]	880

Note: Mounting of side add-on aux. contact block is not recommended for mechanically interlocked MCX 11/12/13 contactors

For MO 9-18, only First left and Second left side add-on is allowed.

Side Mounting Add-on aux. Contact Block

Side Mounting	Aux Contact	Suitable for					
		MNX 95-650/ MCX 32-47	M.R.P. (₹) Per Unit	MO 140-300	M.R.P. (₹) Per Unit	MDX# 9-115	M.R.P. (₹) Per Unit
First left	1 NO+1 NC	CS94205 [^]	1080	CS95033 [^]	1080	ST94985 [^]	1295
First Right	1 NO+1 NC	CS94206 [^]	1080	CS95034 [^]	1080		
Second Left	1 NO+1 NC	CS94207 [^]	1080	CS95035 [^]	1080	-	-
Second right	1 NO+1 NC	CS94208 [^]	1080	CS95036 [^]	1080	-	-



**MDX
Side Add-on aux.
contact Block**

[#] For MDX Side add-on and top add-on can not be mounted together

- Standard Packing is 1 [^]Standard Packing is 10 ^{^^}Standard Packing is 20

^{*} MDX add-on available till stock last

Accessories - Add-on Auxiliary Contact Blocks [8538]

Side Mounting Add-on aux. Contact Block - ML



ML Add-on aux. contact Block

Side Mounting	Suitable for				
	Aux Contact	ML 4/6	M.R.P. (₹) Per Unit	ML 12	M.R.P. (₹) Per Unit
Left	1 NO + 1 NC	SS91494 [^]	1330	-	-
Right	1 NO + 1 NC	-	-	SS91474 [^]	1330

Note: Ordering Suffix for Add-on aux. contact blocks : 0000

Accessories - Surge Suppressors [8538]

For MX, MNX, MCX, MO & MO C



MX - S1

Ordering Suffix * 110-240V : B000, 415V : D000
[#] 110V : A000, 220-240V : B000, 360-525V : D000
[^] 110V : A000, 220-320V : B000, 360-415V : D000
 MDX 9-115, MNX 550-650, MCX 45-47, MX DC, MX0 DC & MO0 DC have built in surge suppressor

For Contactor	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
MX 06 to MX 12 / MX 0 AC (S1)	CS94039*	730	10
MNX 9 - 40 / MCX 01 - 04 (S1)	CS94166*	740	10
MNX 50 - 80 / MCX 11 - 23 (S3)	CS94163*	830	10
MNX 95 - 250 / MCX 32 - 34 (S4)	CS94164 [#]	2720	10
MNX 300 - 400 / MCX 41 - 44 (S6)	CS94165 [#]	3670	10
MO Frame 0/1, MO C Frame 1, MO0 Control	CS91706 [^]	740	10
MO/MO C - Frame 2	CS91707 [^]	830	10
MO/MO C - Frame 3	CS91708 [^]	2720	10
MO Frame - 4/5	CS91854 [^]	3670	10

Accessories - Mechanical Interlock Kits & Spreader Link Kit [8538]

Mechanical Interlock Kit for MX, MO, MDX, MNX & MCX



MCX M3 (MCX 22)

For Contactor	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
MX 06 to MX 12 / MX 0	CS94038	700	10
MO 9 - 110*	CS94584	995	10
MDX 9 - 38	CS96572	830	1
MDX 50 - 115	CS96573	2520	1
MNX 9 - 40	CS94126	570	10
MNX 50 - 80	CS94197	4010	1
MNX 95 - 140	CS94198	6240	1
MNX 185 - 250	CS94199	7100	1
MNX 300 - 650	CS94200	8040	1
MCX 01 - 04	CS94126	570	10
MCX 11 - 13	ST50540	1130	10
MCX 22 - 23	CS93095	5290	1
MCX 32 - 34	SS94992	5470	1
MCX 41 - 47	CS94301	9020	1

*MDX Mechanical interlock kit Available till stock last

Note:

- Ordering Suffix for Mechanical Interlock Kits : 0000
- *MO MIL Kit contains inbuilt 2 NC Contacts
- Mounting of side add-on aux. contact block is not recommended for mechanically interlocked MCX 11/12/13 contactors
- MIL kit for MNX 50-80 comes with 2 left & 2 right side add-on aux. contact blocks i.e. 4 NO + 4 NC
- MIL kit for MCX 22/23 comes with 2 left & 2 right side add-on aux. contact blocks i.e. 4 NO + 4 NC

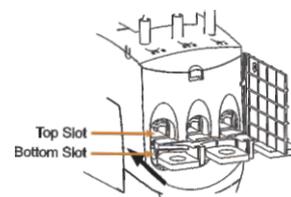
MO / MO C Spreader Link Kit



For Contactor	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
MO 9 - 45 / MOC 3 - 30	CS94274	660	10
MO 50 - 70 / MOC 40 - 60	CS94093	1045	10
MO 80 - 110 / MOC 75 - 100	CS94094	1510	1
MO 140 - 225	CS91057	4240	1
MO 250 - 300	CS90940	6600	1

Note:

- If using 16 sq mm cable for MO 45/ MO C25 use of spreader link is mandatory
- Spreader Link Kit consists of six terminals along with phase barrier (Phase barrier not applicable for MO 250-300)
- In MO C 30, MO C 60 & MO C 100 spreader link is included in packing
- Ordering Suffix: 0000
- 5) Insert spreader link in top slot only**



DOL Starter - Link



Contactor MMS Link

Suitable For	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
MOG H1/S1 with MO 9-18	CS90396 #	545	10
MOG H1/S1 with MO 25-45	CS90391 #	545	10

Reversing DOL Starter - Link



Reversing Starter



Paralleling Link



Contactor MMS Link

Suitable For	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
MOG H1/S1 with MO 9-18	CS90548 #	1370	10
MOG H1/S1 with MO 25-45	CS90546 #	1370	10

Star Delta Starter - Link



Reversing / star delta Link



Paralleling Link



Contactor MMS Link

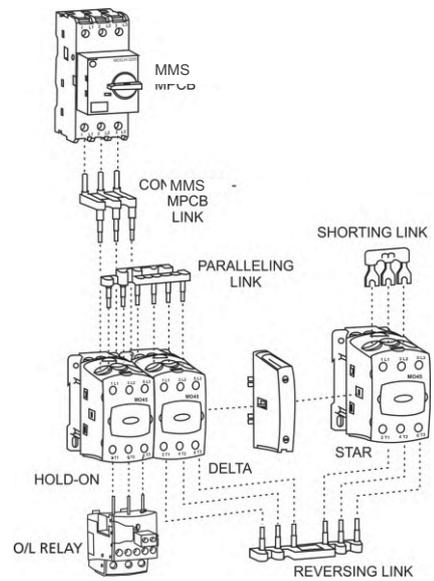


Shorting Link

Suitable For	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
MOG H1/S1 with MO 9-18	CS90549 #	1660	10
MOG H1/S1 with MO 25-45	CS90547 #	1660	10

*Ordering Suffix 0000

Example of Star Delta Starter Connection with Link



Ordering Suffix for Standard Coil Voltages

Ordering Suffix for Standard Coil Voltages			
AC Control		DC Control*	
Voltage (V)	Suffix	Voltage (V)	Suffix
24	G000	24	4000
110	A000	48	5000
220	K000	110	1000
240	B000	220	2000
415	D000		
440	P000		

Ordering suffix for Electronic coil Contactor		
AC / DC control		
Voltage (V)	Suffix	Contactor
20-48	J000	MDX 50-115
60-110	A000	MDX 50-115
110-240	B000	MDX 50-115 & MO 140-300
240-415	D000	MO 140-300

Note:

- 1) * For MX DC, MDX 9-38, MX0 DC, M00 DC
- 2) For other coil voltages please contact nearest branch office

Spare Contact Kit and Spare Coil



ML Spare Kits



ML Spare Coils

Type	Spare Contact kit		Spare Coil	
	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit
ML 1.5	SS95305 [^]	3300	SS90873 [^]	1280
ML 2	SS95307 [^]	6035	SS90545 [^]	2365
ML 3	SS95309 [^]	10660		
ML 4	SS95311 [^]	15805	SS91258 [~]	4630
ML 6	SS95313 [^]	29240		
ML 10	SS95315 [~]	56950	SS91011 [~]	9875
ML 12	SS95317 [~]	61370		
MR	-	-	CS94102 [^]	970
MU16-2P	CS90217 [^]	430	CS90793 [^]	510
MU25-2P	CS90218 [^]	570		
MU40-2P	CS90219 [^]	815		
MO 0 AC	-	-	CS94841 [^]	715

* MR Coils available till stock last

Note:

- 1) Coil voltages available for MU-2P are 220V, 240V, wide band coil 160-220V
- 2) Ordering suffix for wide band coil of MU-2P is N000

MO C Spare Coils		
Type	Cat. No.	M.R.P. (₹) Per Unit
MO C3 - 30	CS96317 [^]	850
MO C40 - 60	CS96318 [^]	2620
MO C75 - 100	CS96319 [^]	4530

Front housing & Moving bridge kit and Combination coil with timer for ML contactor



Front housing and moving bridge kit		
Type	Cat. No.	M.R.P. (₹) Per Unit
ML 1.5	ST28734 [~]	1225
ML 2/ ML 3	ST23866 [~]	1675
ML 4/ ML 6	ST28735 [~]	3035
Combination coil with timer		
Type	Cat. No.	M.R.P. (₹) Per Unit
ML 2	SS90650 [~]	5230

Note:

- 1) Ordering Suffix for Spare Contact kit - O000
- 2) For Spare Coil Ordering Suffix refer page No. 10

- ~ Standard Packing is 1
- ^ Standard Packing is 5
- ^ Standard Packing is 10
- ~~ Standard Packing is 50

Spare Contact Kit and Spare Coil



MNX Spare Coils



MCX Spare Kits

	Spare Contact kit		Spare Coil		
	Type	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit
MO Contactors	MO 9 (1 NO + 1 NC)	CS94843 [^]	780	CS94841 [^]	700
	MO 12 (1 NO + 1 NC)	CS94844 [^]	1010		
	MO 18 (1 NO + 1 NC)	CS94845 [^]	1110		
	MO 9	CS96380 ^{^^}	780	CS96317 [^]	850
	MO 12	CS96381 ^{^^}	1010		
	MO 18	CS96382 ^{^^}	1110		
	MO 25	CS96383 ^{^^}	1290		
	MO 32	CS96384 ^{^^}	2920		
	MO 40	CS96385 ^{^^}	4930		
	MO 45	CS96386 ^{^^}	4990		
	MO 50	CS96387 ^{^^}	5230		
	MO 60	CS96388 ^{^^}	6775		
	MO 70	CS96389 ^{^^}	7525		
	MO 80	CS96390 ^{^^}	10350	CS96318 [^]	2620
	MO 95	CS96391 ^{^^}	13055		
	MO 110	CS96392 ^{^^}	19075	CS96319 [^]	4530
	MO 140	CS90357 [~]	22710		
	MO 185	CS90358 [~]	27250	CS90356 [~]	10730
	MO 225	CS90359 [~]	31205		
	MO 250	CS94444 [~]	37510	CS94442 [~]	15650
MO 300	CS94443 [~]	42340			
MO 140 (electronic coil)	CS90357 [~]	22710	CS90855 [~]	19440	
MO 185 (electronic coil)	CS90358 [~]	27250			
MO 225 (electronic coil)	CS90359 [~]	31205			
MO 250 (electronic coil)	CS94444 [~]	37510	CS90738 [~]	19525	
MO 300 (electronic coil)	CS94443 [~]	42340			
MNX Contactors	MNX 9	CS94123 [^]	715	CS94105	640
	MNX 12	CS94124 [^]	925		
	MNX 18	CS94125 [^]	1015		
	MNX 22	CS94269 [^]	1130		
	MNX 25	CS94127 [^]	1145		
	MNX 32	CS94128 [^]	2710		
	MNX 40	CS94147 [^]	4405		
	MNX 50	CS94150 [^]	4855		
	MNX 70	CS94151 [^]	7315		
	MNX 80	CS94152 [^]	9970		
	MNX 95	CS94153 [~]	12930	CS94192 [^]	2570
	MNX 110	CS94154 [~]	18720		
	MNX 140	CS94155 [~]	22700	CS94196 [~]	4405
	MNX 185	CS94156 [~]	25300		
	MNX 225	CS94157 [~]	29255	CS94194 [~]	10055
	MNX 250	CS90310 [~]	34825		
	MNX 300	CS90283 [~]	38935	CS94195 [~]	14905
	MNX 400	CS94161 [~]	58765		
	MNX 550	CS94162 [~]	78955	CS94193 [~]	31495
	MNX 650	CS96336 [~]	123280		
MCX Contactors	MCX 01-04	-	-	CS94105 [^]	640
	MCX 11	CS94077 [^]	2270	CS94009 [^]	830
	MCX 12	CS94078 [^]	4445		
	MCX 13	CS90307 [^]	6890	ST91291 ^{*~}	2160
	MCX 22	CS94331 [~]	8390		
	MCX 23	CS90078 [~]	10390		
	MCX 32	CS94082 [^]	15880	CS94196 [~]	4405
	MCX 33	CS94083 [^]	20530		
	MCX 34	CS94084 [^]	24040	CS94195 [~]	14905
	MCX 41	CS94295 [~]	35420		
	MCX 42	CS94296 [~]	41185	CS94195 [~]	14905
	MCX 43	CS94297 [~]	49420		
	MCX 44	CS94298 [~]	62470	CS94193 [~]	31495
	MCX 45	CS94299 [~]	65305		
	MCX 46	CS94300 [~]	75895		
MCX 47	CS90308 [~]	107695			

* Ordering Suffix for 240V AC - F000, 415V AC - R000

Type MN - Suitable for MNX Contactor

Features

- › Available in 3 frame sizes from 0.2-570 A
- › Ambient temperature compensated up to 55°C
- › Built-in Single Phasing protection
- › Manual and auto reset mode
- › Conforms IS/IEC 60947-4-1 & IEC 60947-4-1



MN 2



MN 5



MN 12



MN 12L

Type of Mounting (Operation)	Relay Range (A)	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
MN 2 (Directly Operated)	Direct Mounting on MNX 9 - 40			
	0.2 - 0.33	SS9414100EO	2010	10
	0.3 - 0.5	SS9414100GO	2010	10
	0.45 - 0.75	SS9414100JO	2010	10
	0.6 - 1	SS9414100KO	2010	10
	0.9 - 1.5	SS9414100MO	2090	10
	1.4 - 2.3	SS9414100PO	2090	10
	2 - 3.3	SS9414100QO	2090	10
	3 - 5	SS9414100SO	2090	10
	4.5 - 7.5	SS9414100UO	2090	10
	6 - 10	SS9414200VO	2090	10
	9 - 15	SS9414200BO	2170	10
	14 - 23	SS9414400DO	2300	10
	20 - 33	SS9414500EO	3470	10
24 - 40	SS9414500FO	3630	10	
MN 5 (Directly Operated)	Direct Mounting on MNX 50 - 80			
	9 - 15	SS9413500BO	4290	10
	14 - 23	SS9413500DO	4290	10
	20 - 33	SS9413600EO	4290	10
	30 - 50	SS9413600GO	5380	10
	36 - 60	SS9413600TO	5780	10
	45 - 75	SS9413700JO	6270	10
66 - 110	SS9413700KO	7140	10	
MN 12 (CT Operated)	Separate Mounting			
	28 - 46.5	SB9421100GO	10500	1
	42 - 69	SS9413800HO	10500	1
	60 - 100	SS9413800KO	10500	1
	90 - 150	SS9413800MO	10500	1
	135 - 225	SS9413800PO	11770	1
	180 - 300	SS9413900QO	13200	1
270 - 450	SS9413900RO	16580	1	
MN 12L # (CT Operated)	Separate Mounting			
	42 - 69	SS9412700HO	32280	1
	60 - 100	SS9412700KO	32280	1
	90 - 150	SS9412700MO	32280	1
	135 - 225	SS9412700PO	32280	1
	180 - 300	SS9412700QO	32280	1
340 - 570	SS9412700SO	32280	1	

For motors with longer starting time (Trip class 30)

Type RTO - Suitable for MO Contactor

Features

- › Ambient temperature compensated upto 55°C
- › Built-in Single Phasing protection
- › Manual and auto reset mode
- › Front access to START and STOP/RESET buttons
- › Sealable in OFF condition
- › Conforms IS/IEC 60947-4-1 & IEC 60947-4-1



RTO 1



RTO 2



RTO 3

Type of Mounting (Operation)	Relay Range (A)	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
RTO - 1 (Directly Operated)	Direct Mounting on MO 9 - 45			
	0.23 - 0.41	CS9635500FO	3160	10
	0.31 - 0.55	CS9635500GO	3160	10
	0.55 - 0.85	CS9635500JO	3160	10
	0.78 - 1.2	CS9635500LO	3160	10
	1.2 - 2.0	CS9635500NO	3160	10
	1.9 - 2.8	CS9635500PO	3240	10
	2.4 - 3.6	CS9635500QO	3240	10
	3.5 - 5.2	CS9635500SO	3240	10
	4.6 - 6.7	CS9635500TO	3240	10
	6.7 - 9.7	CS9635500VO	3240	10
	8.5 - 12.5	CS9635500AO	3280	10
	12.5 - 18.5	CS9635600CO	3510	10
	17 - 25.5	CS9635600DO	3510	10
	25 - 37	CS9635600EO	5240	10
	35 - 45	CS9635600GO	5410	10
	RTO - 2 (Directly Operated)	Direct Mounting on MO 50 - 70		
5 - 7.5		CS9636600UO	6290	1
7 - 11		CS9636600VO	6290	1
10.5 - 16		CS9636600BO	6290	1
15 - 21		CS9636600CO	6290	1
20 - 31		CS9636600EO	6550	1
30 - 43		CS9636600FO	7840	1
40 - 57		CS9636600SO	8720	1
50 - 75	CS9636700JO	9010	1	
RTO - 3 (Directly Operated)	Direct Mounting on MO 80 - 110			
	23 - 30	CS9087300EO	9610	1
	29 - 38	CS9630300QO	9980	1
	37 - 49	CS9630400GO	10300	1
	47 - 62	CS9631200TO	10490	1
	60 - 78	CS9631300JO	12360	1
75 - 110	CS9631400KO	13500	1	
RTO - 4 (CT Operated)	Separate Mounting			
	23.4 - 36	CS9709600GO	15670	1
	36 - 60	CS9709600JO	15670	1
	57 - 84	CS9709600KO	15670	1
	72 - 108	CS9709600LO	15670	1
	105 - 156	CS9709600MO	15670	1
	138 - 201	CS9709600NO	19240	1
	201 - 291	CS9709600QO	19750	1
	255 - 375	CS9709600RO	24640	1

Thermal Overload Relays [8536]

Type RX

Features

- › Direct mounting on MX contactor
- › Built-in single phasing protection
- › Front access to START and STOP/RESET buttons

Type of Mounting (Operation)	Relay Range (A)	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
RX (Directly Operated)	0.23-0.41	CS9635700FO	1740	10
	0.45-0.78	CS9635700JO	1740	10
	0.78-1.2	CS9635700LO	1740	10
	1.2-1.9	CS9635700NO	1740	10
	1.8-2.8	CS9635700PO	1740	10
Direct Mounting on MX Contactors	2.6-3.6	CS9635700QO	1740	10
	3.6-5.2	CS9635700SO	1740	10
	4.8-7	CS9635700TO	1740	10
	6.4-9.7	CS9635700VO	1740	10
	8.2-12.1	CS9635700AO	1740	10

Type MU-2P (2 Pole)



MU-2P

Type of Mounting (Operation)	Relay Range (A)	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
MU 2P (2 Pole)				
Direct Mounting on MU-2P Contactor	1 - 1.6A	CS9020700MO	980	1
	1.5 - 2.5A	CS9020700PO	980	1
	2.5 - 4A	CS9020700RO	980	1
	4 - 6.5A	CS9020700TO	980	1
	6 - 10A	CS9020700VO	980	1
	9 - 14A	CS9020700AO	980	1

Type ML



ML

Type of Mounting (Operation)	Relay Range (A)	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Direct Mounting on ML 1.5 Contactors				
ML 1 (Directly Operated)	0.15 - 0.25	SS9185800DO	4510	10
	0.25 - 0.4	SS9185800FO	4510	10
	0.4 - 0.65	SS9185800HO	4510	10
	0.6 - 1	SS9185800KO	4510	10
	1 - 1.6	SS9185800MO	4510	10
	1.5 - 2.5	SS9185800PO	4510	10
	2.5 - 4	SS9185800RO	4510	10
	4 - 6.5	SS9185800TO	4510	10
	6 - 10	SS9185800VO	4510	10
	10 - 16	SS9185800BO	4510	10
	11 - 18	SS9185800CO	4510	10
Direct Mounting on ML 2/3 Contactors				
ML 2 / ML 3 (Directly Operated)	9 - 14	SS9185900AO	6670	10
	13 - 21	SS9185900CO	6670	10
	20 - 32	SS9185900EO	6670	10
	28 - 42	SS9185900FO	6670	10

Type of Mounting (Operation)	Relay Range (A)	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
MU 2P (2 Pole)				
Direct Mounting on MU-2P Contactor	11 - 18A	CS9020700CO	1090	1
	13 - 22A	CS9020700DO	1090	1
	16 - 26A	CS9020700BO	1090	1
	20 - 32A	CS9020700EO	1370	1
	26 - 40A	CS9020700FO	1370	1

Accessories for Thermal Overload Relays [8538]

Accessories for Thermal Overload Relays



Relay Mounting Kit



Kit for Mounting MN5 Relay



Din Rail Mounting Kit MN2 Relay

Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Push button extn. unit for MN 2 Relays	SS949680000	80	100
Kit for Mounting MN 2 Relay on ML 1.5 contactor	SS947010000	275	50
Kit for Mounting MN 2 Relay separately (Direct Mounting Type)	SS947000000	275	50
Kit for Mounting MN 5 Relay on MNX 95 / 110 / 140 contactor	SS946380000	440	20
Kit for Mounting MN 5 Relay on ML 2 / ML 3 contactor	SS941510000	285	20
Kit for Mounting MN5 Relay on ML 4 / ML 6 contactor	SS941520000	390	20
DIN Rail Mounting Kit Relay on MN 2 Relay	SS918870000	215	50

Separate Mounting Kit for RTO Relay



Relay Reset Cord for MN & RTO relay



400 mm



650 mm



900 mm



1200 mm

Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
MN Relay reset cord - 400mm	SB942070000	990	1
MN Relay reset cord - 650mm	SB942080000	1035	1
MN Relay reset cord - 900mm	SB942090000	1060	1
MN Relay reset cord - 1200mm	SB942100000	1190	1
RTO Relay reset cord - 400mm	CS909410000	990	1
RTO Relay reset cord - 650mm	CS909420000	1035	1
RTO Relay reset cord - 900mm	CS909430000	1060	1
RTO Relay reset cord - 1200mm	CS909440000	1190	1

Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
RTO-1 Relay Separate Mounting Kit	CS963350000	370	1
RTO-2 Relay Separate Mounting Kit	CS963060000	875	1
RTO-3 Relay Separate Mounting Kit	CS963070000	1250	1

Electronic Motor Protection Relay [8536]

Type REO - Electronic Overload Relay

Features

- › Protections:
 - » Overload
 - » Single Phasing, Phase unbalance
 - » Locked Rotor
 - » Earth Fault in REO 1.1G & REO 4G
- › Trip indication
- › Selectable Trip class - 10A, 10, 20, 30 as per IEC 60947-4-1
- › Conforms IS/IEC 60947-4-1 & IEC 60947-4-1



To Experience the Benefits of REO Electronic Overload Relay



Click or Scan

Model	Type of Mounting	Relay Range (A)	Without earth fault protection		Model	With in-built earth fault protection		Std. Pkg. (Nos.)
			Cat. No.	M.R.P. (₹) Per Unit		Cat. No.	M.R.P. (₹) Per Unit	
REO 1.1	Direct Mounting on MO 9-45	0.15 - 0.75	CS9041800JO	7320	REO 1.1G	CS9042300JO	12200	10
		0.6 - 3	CS9041800QO	7320		CS9042300QO	12200	10
		2.4 - 12	CS9041800LO	7320		CS9042300LO	12200	10
		9 - 45	CS9041800GO	8220		CS9042300GO	12610	10
REO 4	Separate Mounting	18-90	CS9041800UO	21680	REO 4G	CS9042300UO	21890	1
		72-360	CS9041800RO	29710		CS9042300RO	29820	1

Type REO - Electronic Over Current Relay

Electronic Overcurrent Relay (EOCR) is a type of Electronic relay that has tripping based on Definite mean time characteristics. The tripping of relay is decided by trip time selected by user.

Features

- › Protections:
 - » Overload
 - » Single Phasing, Phase unbalance
 - » Locked Rotor
- › Settable start time (5s, 10s, 20s, 40s) and trip time (2s, 4s, 8s, 16s)
- › Trip indication
- › Conforms IS/IEC 60947-4-1 & IEC 60947-4-1



Model	Type of Mounting	Relay Range (A)	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
REO 1.1c	Direct Mounting on MO 9-45	0.15 - 0.75	CS9191100JO	9400	1
		0.6 - 3	CS9191100QO	9400	1
		2.4 - 12	CS9191100LO	9400	1
		9 - 45	CS9191100GO	9400	1

Accessories for REO - Electronic Overload Relay

Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
REO Relay Reset Cord - 400mm	CS904250000	990	1
Separate Mounting Kit for REO 1.1/1.1G/1.1c Relay	CS963350000	370	1



Electrical & Automation

eMPR300D & eMPR300I

Microcontroller based Motor Protection Relay with Inbuilt CTs, Display and Communication.

Protect Your Motors, Enhance Plant Performance.



Electronic Overload + Overcurrent Protection



EOLR + EOCR in one product



Current rating 1 to 88 Amp



RS-485 Communication

Remote Monitoring of Motor Feeders with SMARTCOMM

eMPR150 - Electronic Motor Protection Relay



- › **Protections**
 - » Overload
 - » Locked Rotor
 - » Single Phasing, Current Unbalance,
 - » Under Current
- › **Inbuilt CT's (1 A to 88 A)**
- › **Trip indication**
- › **Test facility**
- › **Site Selectable – Fail-safe / Non Fail-safe mode**
- › **Selectable trip class - 10A, 10, 20 and 30 as per IEC 60947-4-1**

Model	Aux. Supply	Thermal O/L Range (A)	Device Code	Cat. No.	M.R.P. (₹) Per Unit
eMPR150	110V AC	1-5.5	49, 51LR, 37, 46	EMPR150XAAO	3600
		4-22		EMPR150XABO	5200
		16-88		EMPR150XACO	6800
	230V AC	1-5.5		EMPR150XBBO	5200
		4-22		EMPR150XBAO	3600
		16-88		EMPR150XBCO	6800

eMPR selection must be done as per Line Current of Motor

eMPR300 - Electronic Motor Protection Relay with Built-in Earth Fault Protection



- › **Protections**
 - » Overload
 - » Locked Rotor
 - » Single Phasing, Current Unbalance,
 - » Under Current
 - » Earth Fault
 - » Phase Sequence Reversal
- › **Inbuilt CT's (1 A to 88 A)**
- › **Trip indication**
- › **Test facility**
- › **Site Selectable Phase Sequence - RYB/ RBY**
- › **Site Selectable – Fail-safe / Non Fail-safe mode**
- › **Selectable trip class - 10A, 10, 20 and 30 as per IEC 60947-4-1**

Model	Aux. Supply	Thermal O/L Range (A)	Device Code	Cat. No.	M.R.P. (₹) Per Unit
eMPR300	110V AC	1-5.5	49, 51LR, 64, 37, 46	EMPR300XAAO	9900
		4-22		EMPR300XABO	11900
		16-88		EMPR300XACO	13900
	230V AC	1-5.5		EMPR300XBBO	9900
		4-22		EMPR300XBAO	11900
		16-88		EMPR300XBCO	13900

eMPR selection must be done as per Line Current of Motor

New

eMPR300D - Electronic Motor Protection Relay with inbuilt display

One solution for both EOLR and EOCR applications



- › **Protections**
 - » Overload
 - » Locked Rotor
 - » Single Phasing, Current Unbalance,
 - » Under Current
 - » Earth Fault
 - » Phase Sequence Reversal
 - » Overcurrent
- › **7 Segment LED Display**
- › **Inbuilt CT's (1 A to 88 A)**
- › **5 trip records**
- › **Test facility**
- › **Site Selectable – Fail-safe / Non Fail-safe mode**
- › **Selectable trip class - 10A, 10, 20 and 30 as per IEC 60947-4-1**

Model	Aux. Supply	Thermal O/L Range (A)	Device Code	Cat. No.	M.R.P. (₹) Per Unit
eMPR300D	85-265V AC	1-5.5	37, 46, 49, 51LR, 51, 64	EMPR300DCAO	11200
		4-22		EMPR300DCBO	13200
		16-88		EMPR300DCCO	15200

eMPR selection must be done as per Line Current of Motor

New

eMPR300I - Electronic Motor Protection Relay with inbuilt display & Modbus RTU Communication

One solution for both EOLR and EOCR applications

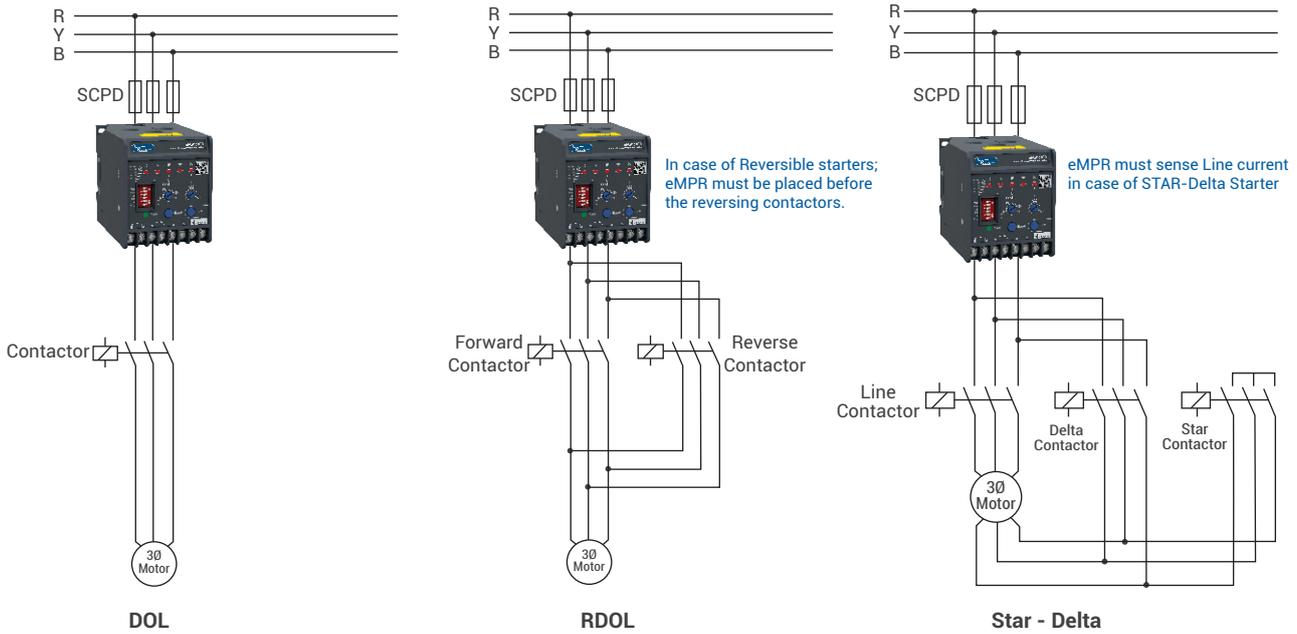


- › **Protections**
 - » Overload
 - » Locked Rotor
 - » Single Phasing, Current Unbalance,
 - » Under Current
 - » Earth Fault
 - » Phase Sequence Reversal
 - » Overcurrent
- › **7 Segment LED Display**
- › **Inbuilt CT's (1 A to 88 A)**
- › **5 trip records**
- › **Test facility**
- › **Site Selectable – Fail-safe / Non Fail-safe mode**
- › **Selectable trip class - 10A, 10, 20 and 30 as per IEC 60947-4-1**
- › **Inbuilt Communication port Modbus - RS-485**

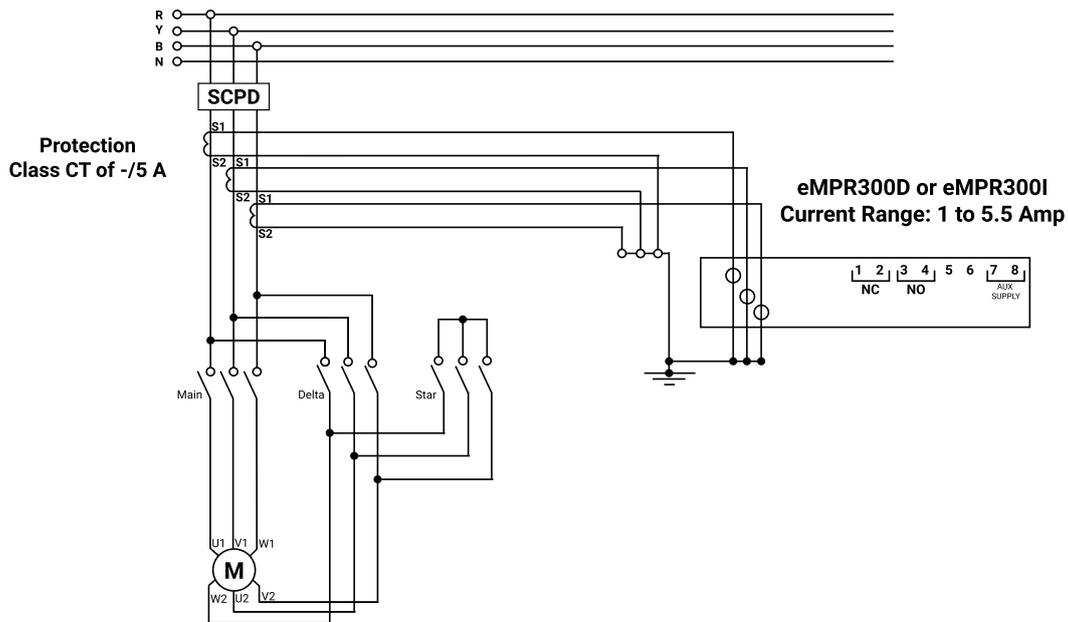
Model	Aux. Supply	Thermal O/L Range (A)	Device Code	Cat. No.	M.R.P. (₹) Per Unit
eMPR300I	85-265V AC	1-5.5	37, 46, 49, 51LR, 51, 64	EMPR300ICAO	14500
		4-22		EMPR300ICBO	16500
		16-88		EMPR300ICCO	18500

eMPR selection must be done as per Line Current of Motor

Application Schemes : eMPR150, eMPR300, eMPR300D, eMPR300I



eMPR300D or eMPR300I with External 5P10 Class CTs for Motors with FLC > 88 Amp



Compact Motor Protection Relay - MM10

Features

- » Flush Mounting with display
- » Last trip data recording
- » Protections:
 - » Thermal Overload with pre-alarm
 - » Short Circuit
 - » Earth fault
 - » Phase loss, Unbalance, Phase reversal
 - » Under Current
 - » Prolong starting, Locked Rotor



Model	Aux. Supply	CT [#] secondary	Device code	Cat. No.	M.R.P. (₹) Per Unit
MM10	110 - 240 V AC / DC	5 Amp	37, 46, 49, 50 / 51, 51LR, 64	MM10240E005	36900

- Protection Class CT

Draw-out Motor Protection Relay - MPR21 * ^{New}

- » MPR21 – 37, 46, 48, 49, 50BF, 50, 51, 50N, 51N, 51LR, 64, 66, 74TCS.
- » Microcontroller-based design
- » Draw-out enclosure.
- » CT rating[#] - 1A/ 5A (site selectable)
- » Display of 250 event and 30 Trip records
- » 128*64 graphical display
- » Modbus RS-485 Communication
- » Front Micro USB port for numrAL Suite



Model	Aux. Supply (V)	Communication	Cat. No.	M.R.P. (₹) Per Unit
numrAL MPR21	20 - 60V DC	Modbus RS 485	NRMPR2A28RA	49000
	85 - 265V AC, 87 - 265V DC	Modbus RS 485	NRMPR2B28RA	49000

- Protection Class CT
* - Available On Request



Electrical & Automation

Redundant and Reliable network for Intelligent Motor Management Solution with iMMR

DISPLAY UNIT



CT UNIT



iMMR MAIN UNIT

Powered By SMARTCOMM

iMMR - Intelligent Motor Management Relay

Besides control, protection and diagnostics, iMMR provides accurate real time data for analytics and insights into the performance of plant and process



Optimum Protection



Accurate real time data



Predictive Maintenance



Cloud Computing



Profinet/Modbus Protocol

Intelligent Motor Management Solutions for enhancement of process and energy efficiency.

Comprehensive Protection and Reliable Motor control with Ethernet based redundant communication network.

Real time monitoring and Predictive analytics with SmartComm

Ring & Star communication networking with Profinet & Ethernet IP

iMMR - Intelligent Motor Management Relay [8536]



iMMR is a comprehensive Motor protection, control and monitoring relay for intelligent MCC's

"Besides control, protection and diagnostics, iMMR provides accurate real time data for analytics and insights into the performance of plant and process"

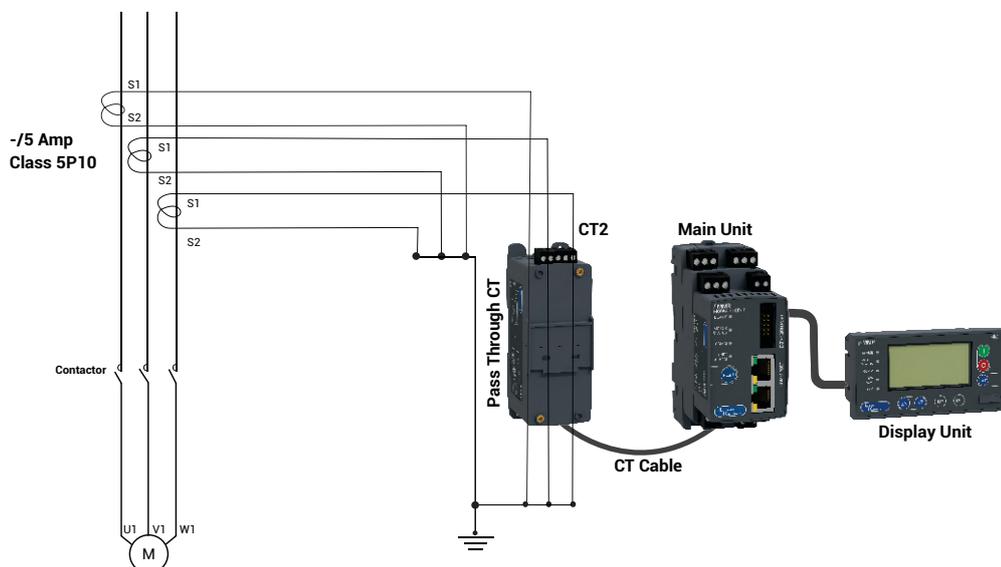
Features

- Comprehensive Current & Voltage based Protections
- 20 nos. of last trip records, 100 event records and 20 IRF Records are available
- Preprogrammed Starter logics reduces manufacturing and commissioning time
- Software iMMR Suite is available for Easy and effective configuration and monitoring
- Ethernet IP, Profinet, Modbus RTU, Modbus TCP/IP and Profibus-DP protocols available for seamless integration with DCS/PLC
- Redundant network for seamless Motor control and monitoring, with Profinet/ Ethernet IP

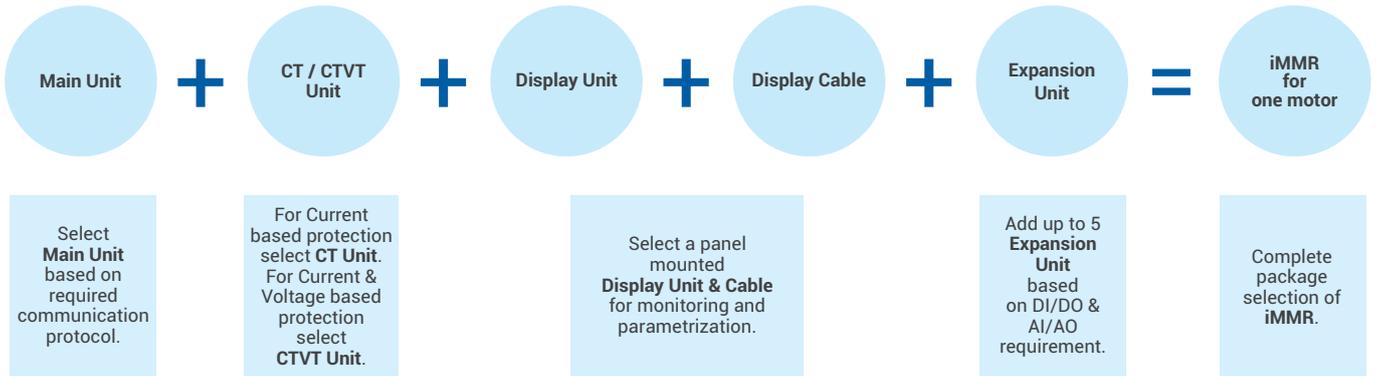
Product	Description	Cat. No.	M.R.P. (₹) Per Unit
Main Unit	iMMR MODBUS RTU 85-265 VAC/DC	CS912440000	22900
	iMMR PROFIBUS-DP 85-265 VAC/DC	*Available On Request	
	iMMR MODBUS TCP/IP 85-265 VAC/DC	*Available On Request	
	iMMR Ethernet IP 85-265 VAC/DC	*Available On Request	
	iMMR Profinet 85-265 VAC/DC	*Available On Request	
CT Unit	CT1 (0.3-3A) with 15 cm cable	CS912450000	5500
	CT2 (2.5-25A) with 15 cm cable	CS912460000	7200
	CT3 (7-70A) with 15 cm cable	CS912470000	11500
CTVT Unit	CT1 (0.3-3A) + VT with 15 cm cable	CS912490000	12600
	CT2 (2.5-25A) + VT with 15 cm cable	CS912500000	14900
	CT3 (7-70A) + VT with 15 cm cable	CS912510000	19500
Display Unit	iMMR Display unit without cable	CS912530000	13000
Display Cable	iMMR Display Cable - 1 meter	XK131280000	1100
	iMMR Display Cable - 2 meter	XK131290000	1600
Expansion Unit	iMMR EXP 4DI + 2DO with 10 cm cable	*Available On Request	
	iMMR EXP 6DI 110V/240V with 10cm cable	*Available On Request	
	iMMR EXP Earth Leakage + 2DI + 2DO with 10 cm cable	*Available On Request	
	iMMR EXP 2AI + 1AO with 10 cm cable	*Available On Request	

* Please contact our nearest branch for details

iMMR with external CT's for Motors >37kW



iMMR selection guide



Cat.no. selection guide

Modbus RTU communication and Current based protection and metering

Motor Rating	Total MRP	Main Unit - Modbus RTU	CT Unit	Display Unit	Display Cable - 2 meter
<1.1 KW	43000	CS912440000	CS912450000	CS912530000	XK131290000
1.1 KW to 11 KW	44700	CS912440000	CS912460000	CS912530000	XK131290000
11 KW to 37 KW	49000	CS912440000	CS912470000	CS912530000	XK131290000
>37 KW	44700	CS912440000	CS912460000*	CS912530000	XK131290000

* with External Protection class CT's of -/5Amp

Modbus RTU communication and Current + Voltage based protection and metering

Motor Rating	Total MRP	Main Unit - Modbus RTU	CTVT Unit	Display Unit	Display Cable - 2 meter
<1.1 KW	50100	CS912440000	CS912490000	CS912530000	XK131290000
1.1 KW to 11 KW	52400	CS912440000	CS912500000	CS912530000	XK131290000
11 KW to 37 KW	57000	CS912440000	CS912510000	CS912530000	XK131290000
>37 KW	52400	CS912440000	CS912500000*	CS912530000	XK131290000

* with External Protection class CT's of -/5Amp



Manual Motor Starters [8536]

Rocker Type

- › MOG-S1: upto 32A
- › Short circuit + Overload protection

Rotary Type

- › MOG-H1M: upto 32A
- › MOG-H2M: 32A-63A
- › Short circuit protection

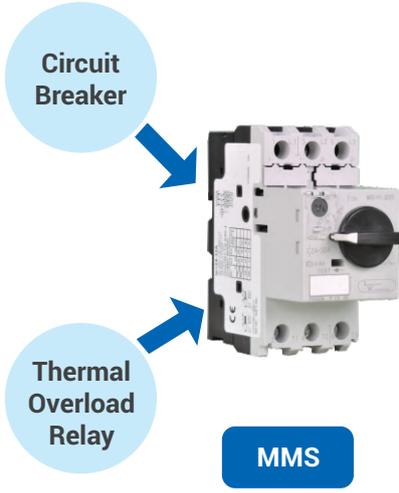
Rotary Type

- › MOG-H1: upto 32A
- › MOG-H2: 32A-63A
- › Short circuit + Overload protection

Rocker type and Rotary Type Manual Motor Starters conforms to IEC 60947-4-1

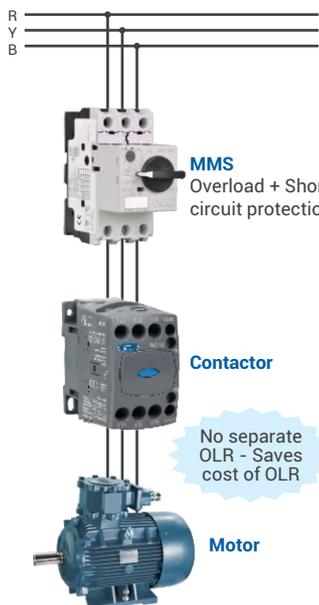
- › Short circuit protection
- › Over current protection

- › Overload protection
- › Phase loss protection
- › Wide range of current adjustment dial
- › Ambient temperature compensation



MMS

- › Compact
- › High breaking capacity
- › Short circuit protective coordination
- › Reduction in wiring work
- › High switching durability
- › Padlocking feature available even without extended rotary handle
- › Stand alone motor protection
- › Common accessories



MMS
Overload + Short circuit protection

Contactor

No separate OLR - Saves cost of OLR

Motor

Type MOG-S1 (Rocker Type)

With short circuit & overload protection



Rating (A)	Recommended Motor Rating at 415V, 3-Ph, 50Hz (KW)	Thermal Release range (A)	Instantaneous Trip Current (A)	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
0.16	-	0.1 - 0.16	2.1	ST418890000	3,695	1
0.25	0.06	0.16 - 0.25	3.3	ST418900000	3,695	1
0.40	0.09	0.25 - 0.40	5.2	ST418910000	3,695	1
0.63	0.12	0.40 - 0.63	8.2	ST418920000	4,205	1
1.00	0.25	0.63 - 1.00	13	ST418930000	4,205	1
1.60	0.55	1.00 - 1.60	20.8	ST418940000	4,225	1
2.50	0.75	1.60 - 2.50	32.5	ST418950000	4,225	1
4.00	1.50	2.50 - 4.00	52	ST418960000	4,385	1
6.30	2.20	4.00 - 6.30	81.9	ST418970000	4,385	1
10.00	4.00	6.30 - 10.00	130	ST418980000	4,680	1
13.00	5.40	9.00 - 13.00	169	ST418990000	5,265	1
16.00	7.50	11.00 - 16.00	208	ST419000000	5,765	1
20.00	9.00	14.00 - 20.00	260	ST419010000	6,055	1
25.00	12.50	19.00 - 25.00	325	ST419020000	6,360	1
32.00	15.00	24.00 - 32.00	416	ST419030000	11,300	1

Note: Extended rotary handle cannot be fitted with MOG - S1

Type MOG-H1 (Rotary Type) - Frame 1

With short circuit & overload protection



Rating (A)	Recommended Motor Rating at 415V, 3-Ph, 50Hz (KW)	Thermal Release range (A)	Instantaneous Trip Current	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
0.16	-	0.1 - 0.16	2.1	ST419040000	4,700	1
0.25	0.06	0.16 - 0.25	3.3	ST419050000	4,700	1
0.40	0.09	0.25 - 0.40	5.2	ST419060000	4,700	1
0.63	0.12	0.40 - 0.63	8.2	ST419070000	5,255	1
1.00	0.25	0.63 - 1.00	13	ST419080000	5,255	1
1.60	0.55	1.00 - 1.60	20.8	ST419090000	5,425	1
2.50	0.75	1.60 - 2.50	32.5	ST419100000	5,425	1
4.00	1.50	2.50 - 4.00	52	ST419110000	5,525	1
6.30	2.20	4.00 - 6.30	81.9	ST419120000	5,580	1
10.00	4.00	6.30 - 10.00	130	ST419130000	5,945	1
13.00	5.40	9.00 - 13.00	169	ST419140000	6,590	1
16.00	7.50	11.00 - 16.00	208	ST419150000	7,085	1
20.00	9.00	14.00 - 20.00	260	ST419160000	7,640	1
25.00	12.50	19.00 - 25.00	325	ST419170000	7,945	1
32.00	15.00	24.00 - 32.00	416	ST419180000	12,880	1

Manual Motor Starters [8536]

Type MOG-H1M (Rotary Type) - Frame 1



With short circuit protection only

Rating (A)	Recommended Motor Rating at 415V, 3-Ph, 50Hz (KW)	Instantaneous Trip Current	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
0.16	-	2.1	ST419230000	4,225	1
0.25	0.06	3.3	ST419240000	4,225	1
0.40	0.09	5.2	ST419250000	4,225	1
0.63	0.12	8.2	ST419260000	4,780	1
1.00	0.25	13	ST419270000	4,870	1
1.60	0.55	20.8	ST419280000	4,870	1
2.50	0.75	32.5	ST419290000	4,905	1
4.00	1.50	52	ST419300000	4,960	1
6.30	2.20	81.9	ST419310000	4,960	1
10.00	4.00	130	ST419320000	5,120	1
13.00	5.40	169	ST419330000	5,345	1
16.00	7.50	208	ST419340000	5,345	1
20.00	9.00	260	ST419350000	5,615	1
25.00	12.50	325	ST419360000	5,785	1
32.00	15.00	416	ST419370000	9,515	1

Type MOG-H2 (Rotary Type) - Frame 2



With short circuit & overload protection

Rating (A)	Recommended Motor Rating at 415V, 3-Ph, 50Hz (KW)	Thermal Release range (A)	Instantaneous Trip Current	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
32.00	15.00	24.00 - 32.00	416	ST419190000	16,500	1
40.00	20.00	28.00 - 40.00	520	ST419200000	18,195	1
50.00	25.00	35.00 - 50.00	650	ST419210000	22,715	1
63.00	34.00	45.00 - 63.00	819	ST419220000	23,050	1

Type MOG-H2M (Rotary Type) - Frame 2



With short circuit protection only

Rating (A)	Recommended Motor Rating at 415V, 3-Ph, 50Hz (KW)	Instantaneous Trip Current	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
32.00	15.00	416	ST419380000	15,820	1
40.00	20.00	520	ST419390000	15,935	1
50.00	25.00	650	ST419400000	16,385	1
63.00	34.00	819	ST419410000	16,725	1

Accessories for MOG [8538]



Short Circuit Alarm



Auxiliary + Alarm



Extended Rotary Handle



Shunt Trip



MMSs with bus bar connection



Connecting Busbar link



3 Phase Feed in terminal

Mounting Position *	Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
F1/F2	Auxiliary Contact Front mtg. 1NO	ST419420000	730	10
F1/F2	Auxiliary Contact Front mtg. 1NC	ST419430000	730	10
L	Auxiliary Contact Left side mtg. 2NO	ST419440000	1,005	1
L	Auxiliary Contact Left side mtg. 1NO + 1NC	ST419450000	1,005	1
L	Auxiliary Contact Left side mtg. 2NC	ST419460000	1,005	1
F2	Trip Alarm Contact Front mtg. 1NO	ST419470000	1,300	10
F2	Trip Alarm Contact Front mtg. 1NC	ST419480000	1,300	10
L	Auxiliary + Alarm Left side mtg. 2NO	ST419490000	1,380	1
L	Short circuit alarm Left side mtg. 1NO + 1NC	ST419500000	1,380	1
R	Shunt trip 24V DC	ST419510000	2,655	1
R	Shunt trip 110V, 50Hz	ST419520000	2,795	1
R	Shunt trip 230V, 50Hz	ST429520000	2,795	1
R	Under Voltage release, 110V, 50Hz	ST419530000	2,795	1
R	Under Voltage release, 415V, 50Hz	ST419540000	2,795	1
-	External operating handle, (Black) Frame 1	ST419550000	1,610	1
-	External operating handle, (Black) Frame 2	ST419560000	1,610	1

* F1 - Front left slot F2 - Front right slot L - Left side R - Right side

Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Connecting Busbar link			
2 MMS 45 mm width w/o acc	ST419570000	840	5
3 MMS 45 mm width w/o acc	ST419580000	925	5
4 MMS 45 mm width w/o acc	ST419590000	1,000	5
5 MMS 45 mm width w/o acc	ST419600000	1,275	5
2 MMS 45 mm width with one acc 9 mm	ST419610000	985	5
3 MMS 45 mm width with one acc 9 mm	ST419620000	1,060	5
4 MMS 45 mm width with one acc 9 mm	ST419630000	1,140	5
5 MMS 45 mm width with one acc 9 mm	ST419640000	1,220	5
2 MMS 55 mm width w/o acc	ST419660000	1,535	1
3 MMS 55 mm width w/o acc	ST419670000	1,750	1
4 MMS 55 mm width w/o acc	ST419680000	2,100	1
2 MMS 55 mm width with one acc 9 mm	ST419690000	1,670	1
3 MMS 55 mm width with one acc 9 mm	ST419700000	1,900	1
4 MMS 55 mm width with one acc 9 mm	ST419710000	2,235	1
2 MMS 55 mm width with two acc 18 mm	ST419720000	1,955	1
4 MMS 55 mm width with two acc 18 mm	ST419730000	2,180	1
Feed in terminal for 45 mm width Busbar	ST419650000	985	1
Feed in terminal for 55 mm width Busbar	ST419740000	1,695	1
Bus bar safety cover 45 mm width Busbar	ST419750000	425	10
Bus bar safety cover 55 mm width Busbar	ST419760000	460	10

acc: Accessories

Motor Starters [8536]

Direct-on-Line Starters

in Sheet-Steel Enclosure Type MN / ML
(Motor Rating AC-3 Duty, 415V, 50Hz, 3-Ph)



MN 16



ML 1.5

Max. Motor Output at 415V, 3-Ph		Relay Max. Range (A)	Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
HP	kW					
10.0	7.5	9 - 15	MN 16 DOL	SS94351	6600	1
15.0	11.0	14 - 23	MN 25 DOL	SS94352	10070	1
20.0	15.0	20 - 33	MN 32 DOL	SS94353	16200	1
30.0	22.5	30 - 50	MN 45 DOL	SS94017	27700	1
45.0	33.5	45 - 75	MN 65 DOL	SS94018	38000	1
30.0	22.5	28 - 42	ML 3 DOL	SS90722	35800	1

Fully Automatic Star-Delta Starters [8536]

in Sheet-Steel Enclosure Type MN / ML
(Motor Rating AC-3 Duty, 415V, 50Hz, 3-Ph)

Max. Motor Output at 415V, 3-Ph		Relay Max. Range (A)	Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
HP	kW					
17.5	13.0	9 - 15	MN 16 FASD	SS94362	22200	1
30.0	22.5	14 - 23	MN 25 FASD	SS94364	24800	1
40.0	30.0	20 - 33	MN 32 FASD	SS94366	40800	1
50.0	37.5	30 - 50	MN 45 FASD	SS94021	65500	1
75.0	55.0	45 - 75	MN 65 FASD	SS94022	108700	1
90.0	67.5	45 - 75	MN 80 FASD	SS94705	118700	1
150.0	110.0	66 - 110	MN 110 FASD	SS94706	155500	1
180.0	132.0	90 - 150	MN 140 FASD	SS94707	169800	1
50.0	37.5	28 - 42	ML3 FASD	SS90730	86300	1
75.0	55.0	45 - 75	ML4 FASD	SS90913	147800	1
125.0	90.0	66 - 110	ML6 FASD	SS90923	242500	1

Spares for MN Starters [8538]

Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Bracket for Mounting cont. MNX 25 - 32	SS940300000	215	20
MN DOL/FASD Push Button	SS939410000	370	10

Timers

Electronic Timers Type ST100 [9107]



ST 100

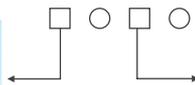
Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
240 / 360 / 415V, 50Hz for			
3 - 30 secs.	ST803280000	2200	1
12 - 120 secs.	ST803290000	2200	1

Note:

ST 100 supplied with Mounting Kit, suitable for ET 100 replacement.
For Complete range of Timing Devices, please refer the Panel Accessories Price List.

Ordering Suffix for ML & MN Starters

Coil Voltages
B - 240 V
C - 360 V
D - 415 V
P - 440 V



Relay Range (A)	
ML	MN
A : 9 - 14	B : 9 - 15
B : 10 - 16	D : 14 - 23
C : 13 - 21	E : 20 - 33
E : 20 - 32	G : 30 - 50
F : 28 - 42	J : 45 - 75
G : 30 - 50	K : 66 - 110
J : 45 - 75	Q : 2 - 3.3
K : 66 - 110	S : 3 - 5
M : 90 - 150	T : 36 - 60
P : 135 - 225	U : 4.5 - 7.5
Q : 180 - 310	V : 6 - 10
R : 2.5 - 4	M : 90 - 150
T : 13 - 21	

All our Type 2 charts are available on **Knowledge Portal**



Access E&A's Knowledge Portal from www.LK-EA.com/kp

Following combination of Type 2 Charts available

Fuse Based Charts		Fuseless Charts			
IE2/IE3	IE2/IE3	IE2	IE2	IE3	IE3
DOL	SD	DOL	SD	DOL	SD
FN	FN	MMS/MCCB	MMS/MCCB	MMS/MCCB	MMS/MCCB
MNX/MO	MNX/MO	MNX/MO	MNX/MO	MNX/MO	MNX/MO

Charts available at Iq of

- > 50kA
- > 65kA
- > 80kA
- > 100kA

MCCB charts are available with Microprocessor Releases too



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Integrated standard solution - Wired & Wireless



Cloud-based software



Time-based, Volume-based & Sensor-based operation



Remote application & control



Program & scheduling



Central monitoring with web & mobile application



SIMPLIFYING WATER CONTROL CHALLENGES



SzLC WLC Series



Settable OFF-timer ranging from 15-150 minutes



Power ON Delay Timer- 3-30 seconds



Application: Single & Double Tank



LED Indication



Auto/Manual/Bypass operating mode available*



Use for Single Phase Monoset and Submersible Pump upto 3 HP and for Three Phase Submersible Pump

*AUTO/ON/OFF - SzLC
AUTO/MANUAL/BYPASS - SzLC1 & SzLC1

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Most Flexible Integrated ATS

Engineered for seamless power switchover and uninterrupted productivity:
A comprehensive solution ensures smooth power transfer, making it
suitable for a wide range of applications.



Plug and Play
Solution



RS-485 for
Seamless connectivity



Application
friendly



Large Display
unit



No change in
Footprint



Features of
C-line intact

Description	Type	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Integrated ATS, Frame 2-125A	125A	CK90161BATS	80000	1
Integrated ATS, Frame 2-160A	160A	CK90162BATS	85000	1
Integrated ATS, Frame 2-200A	200A	CK90163BATS	96100	1
Integrated ATS, Frame 3-250A	250A	CK90164BATS	114600	1
Integrated ATS, Frame 3-315A	315A	CK90165BATS	116500	1
Integrated ATS, Frame 4-400A	400A	CK90166BATS	138600	1
Integrated ATS, Frame 4-630A	630A	CK90167BATS	168200	1
Integrated ATS, Frame 5-800A	800A	CK90169BATS	233370	1
Integrated ATS, Frame 5-1000A	1000A	CK90170BATS	262500	1

Enclosed Automatic Transfer Switch

Automatic Solution | Pre-wired | Flexible Settings



Switch to ATS

Now, experience seamless transfer between two power sources...



Convenience

- › Ample Space for Cable Termination
- › Ease of Generator Control (ON-OFF, Cooling Cycle Self-Test)
- › Cyclic Event Logger: Logs 100 Events



Performance

- › Wide range: 125A to 630A, 415V ac.
- › Double-Break Contact System offering High Short-time Withstand (Icw)
- › High Mechanical and Electrical Life: Double than requirement of IS/IEC standard
- › Suitable for Aluminum Termination



Flexibility

- › Priority Source Selection
- › Adjustable Time Delay (0.1 sec to 3 hours)
- › Suitable for 3-Phase as well as 1-Phase Sources



Safety

- › Protections: UV/OV, Phase Sequence, Single Phasing, Frequency
- › Authorized Access Control through Password Protection
- › Terminal Shrouds, Phase Barriers & Source Separator

Description	Type	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Enclosed ATS, Frame 2, 125A	125A	CK90161BS00	95960	1
Enclosed ATS, Frame 2, 160A	160A	CK90162BS00	105890	1
Enclosed ATS, Frame 2, 200A	200A	CK90163BS00	114750	1
Enclosed ATS, Frame 3, 250A	250A	CK90164BS00	131140	1
Enclosed ATS, Frame 3, 315A	315A	CK90165BS00	140230	1
Enclosed ATS, Frame 4, 400A	400A	CK90166BS00	167050	1
Enclosed ATS, Frame 4, 630A	630A	CK90167BS00	202930	1

Chapter ID [8537]

For AuXC 2000 programming videos and more details please scan the QR code or click here



Customer Interaction Center (CIC)

Phone no: 022-6932 7800

Web: www.LK-EA.com | e-mail: CIC@LK-EA.com

Changeover Switch-Disconnecter (Conforms to IEC 60947-3, IS/IEC 60947-3)

Features offered by Manual Changeover

- Range 63A to 2000A, 415V, AC 23A, 4P
- Enclosure version does not require separate cable gland box
- Terminal Shrouds, Source Separator and Phase Barriers included
- Staggered Terminals make cable termination easy
- Suitable for horizontal as well as vertical mounting



Open execution



SS enclosure



Motorised Changeover

Features offered by Motorised Changeover

- Range 40 A to 2000A, 415V, AC 23A, 4P (Control Voltage 240 Vac)
- No change in HxWxD dimension of motorised and manual changeover switch
- Padlocking in OFF position
- Option for selection between manual and auto mode

Size	Rated Current (A)	Type	Manual Changeover Open Execution		Manual Changeover In Sheet Steel Enclosure#		Motorised Changeover Open Execution		Std. Pkg. (Nos.)
			Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	
Fr 1	40	CO1-40	-	-	-	-	New CK90944B000	27310	1
	63	CO1-63	CO106300000	6070	CO106300S00	10090	New CK90945B000	28990	1
	63	CO1-63	CO10630000D ▲	5900					
	100	CO1-100	CO110000000	8160	CO110000S00	12740	New CK90946B000	35400	1
	100	CO1-100	CO11000000D ▲	7970					
	125	CO1-125	CO112500000	10850	CO112500S00	16250	New CK90947B000	37640	1
Fr 2	125	CO2-125	CO212500000	13100	CO212500S00	18750	CK90161B000	50570	1
	160	CO2-160	CO216000000	14360	CO216000S00	20600	CK90162B000	61820	1
	200	CO2-200	CO22000000A	17670	CO220000S00	23690	CK90163B000	67400	1
Fr 3	250	CO3-250	CO325000000	23420	CO325000S00	32750	CK90164B000	81530	1
	315	CO3-315	CO331500000	24630	CO331500S00	34450	CK90165B000	85310	1
Fr 4	400	CO4-400	CO440000000	39620	CO440000S00	53980	CK90166B000	108380	1
	630	CO4-630	CO463000000	46260	CO463000S00	62570	CK90167B000	129360	1
Fr 5	630	CO5-630 ^α	CO563000000 ^α	56730	-	-	CK90168B000	140470	1
	800	CO5-800	CO580000000	65500	CO580000S00	102260	CK90169B000	187860	1
	1000	CO5-1000	CO510000000	121810	CO510000S00	163990	CK90170B000	246330	1
Fr 6	1250	CO6-1250	CO612500000	153840	-	-	CK90081B000	304380	1
	1600	CO6-1600	CO616000000	193140	-	-	CK90082B000	373640	1
	2000	CO6-2000	CO620000000	281570	-	-	CK90083B000	445640	1

▲ Direct handle version # Sheet Steel Enclosure version is with CO with extended handle
Note: Changeovers will be without inbuilt Aux contact and same to be purchased separately as an accessories if required.

Spares & Accessories for Changeover S-D [8538]



Auxiliary Contact



Operating Handle (63A to 200A)



Flip-able Handle (250A to 2000A)



Castell Type Lock

Description	Type	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Auxiliary Contact Kit (2 sets of C/O contact)	CO1-(63-125A)	CX100020000	580	1
	CO2-(125-200A)	CX200020000	1080	1
	CO3-(250-315A)	CX300020000	1540	1
	CO4-(400-630A)	CX400020000	1630	1
	CO5-(630-1000A)	CX500020000	1890	1
	CO6-(1250-2000A)	CX600020000	2060	1
Operating Handle Kit (handle + shaft + center bush + bush clip)	CO1-(63-125A)	CX100010000	960	1
	CO2-(125-200A)	CX300010000	2040	1
	CO3-(250-315A)	CK903920000	2090	1
	CO4-(400-630A)	CX400010000	2130	1
	CO5-(630-1000A)	CX500010000	2300	1
	CO6-(1250-2000A)	CX600010000	2610	1
Castell Type Lock [§]	CO-(125-1000A)	CX400040000	3450	1
	CO6-(1250-2000A)	CX600040000	3450	1
Output shorting link	CO1-(63-125A) Top Side	CX10005000T	1010	1
	CO1-(63-125A) Bottom Side	CX10005000B	1010	1
Operating Handle for Motorised Changeover	C/O Frame 2 & 3 (125-315A)	CK903740000	1830	1
	C/O Frame 4 & 5 (400-1000A)	CK903780000	2300	1
	C/O Frame 6 (1250-2000A)	CK906450000	5710	1

§ Chapter ID [8301]

Automatic Transfer Controllers (ATC) for Motorised Changeover [8538]



AST Controller with wire harness



AuXC-2000 Controller with wire harness



Illuminated Push Button assembly

Description	Type	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)	
Automatic Transfer Controllers	AST Controller with wire harness	CK901920000	24480	1	
	AuXC-2000 Controller** with wire harness	AuXC-2000 ^β wire harness	ATC200000000	39800	1
			CK900990000	4990	1
Control Accessories	Illuminated Push Button assembly with Wire harness	CK901950000	4980	1	

β Chapter ID [9032]

** Note: For communication version of AuXC controller refer page no-6



CZ Bypass Switches

125A to 630A

Bypass Switches are meant for special application and help to maintain continuity of power supply to the load by simply 'bypassing' UPS or Servo stabilizer. Removal of the UPS or Servo, for maintenance or repair is safe, as it is isolated from both input and output sides in the 'bypass' mode.



Time-Saving Convenient solution

No hassle of operating multiple devices for safe and positive isolation on both sides of Servo/UPS



Phase Barriers

Easy to fit and long phase barriers for complete isolation between phases



Suitable for Aluminum Termination

Entire range is suitable for Aluminum cable/link termination as per the size prescribed by the standards



Safety interlock and padlocking

Door interlock is provided in ON position with defeat feature Also, Bypass Switch can be padlocked in OFF position; upto 3 padlocks can be fitted



Mounting flexibility

Suitable for mounting in horizontal as well as vertical orientation. Also, the shaft is 'cut-able' and can be adjusted to suit different panel depth requirements.



Finger proof protection (IP30)

Terminal Shrouds provide protection against accidental contact with live terminals. As it is swivellable, there is no need to remove during termination/inspection

4P, Open Execution with extended handle

Frame	Rating 440Vac, AC 23A	Cat No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
CZ1	125A	CK908130000	21440	1
CZ1	160A	CK908140000	24190	1
CZ1	200A	CK908150000	25570	1
CZ1	250A	CK908160000	36410	1
CZ1	315A	CK908170000	41530	1
CZ2	315A	CK908750000	45890	1
CZ2	400A	CK908760000	55990	1
CZ2	630A	CK908770000	66730	1

Accessories for CZ Bypass switch

Frame	Description	Cat No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
CZ1/ CZ2	Auxiliary Contact Kit* (1 C/O contact)	CK908050000	640	1

Chapter ID [8538]

* Upto 2 C/O contacts can be installed for status /indication

Customer Interaction Center (CIC)

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Multiple Applications, One Solution

CZ Switch Disconnectors



- › Compact 2P, 3P & 4P configurations
- › 1250Vac Insulation Voltage
- › AC-23A @ 690Vac without derating
- › Suitable for 50°C ambient temperature
- › Direct termination without the need of any extended links
- › Extra assurance with visible contact system
- › High electrical and mechanical life (double than requirement in IS/IEC standards)
- › Terminal shrouds and phase barriers are provided as standard offering along with the product
- › Higher ground clearance ensure safety at all times

Versions: Upto 690V

4P AC Switch Disconnecter					
Frame	Rating Upto 690V, AC 23A	Handle Type	CAT No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
CZ1	125A	Extended	CK907690000	8570	1
CZ1	160A	Extended	CK907700000	11330	1
CZ1	200A	Extended	CK907710000	13200	1
CZ1	250A	Extended	CK907720000	14860	1
CZ1	315A	Extended	CK907730000	16490	1
CZ2	315A	Extended	CK908570000	17460	1
CZ2	400A	Extended	CK908580000	21920	1
CZ2	630A	Extended	CK908590000	29340	1
CZ1	125A	Direct	CK907990000	8610	1
CZ1	160A	Direct	CK908000000	10840	1
CZ1	200A	Direct	CK908010000	12540	1
CZ1	250A	Direct	CK908020000	14780	1
CZ1	315A	Direct	CK908030000	15650	1
CZ2	315A	Direct	CK908720000	17380	1
CZ2	400A	Direct	CK908730000	22230	1
CZ2	630A	Direct	CK908740000	27870	1

Chapter ID [8536]

4P AC Switch Disconnecter in SS enclosure (with extended handle)				
Frame	Rating Upto 690V, AC 23A	CAT No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
CZ1	125A	CK908190000	17620	1
CZ1	160A	CK908200000	20410	1
CZ1	200A	CK908210000	23040	1
CZ1	250A	CK908220000	26320	1
CZ1	315A	CK908230000	27890	1
CZ2	315A	CK908780000	33250	1
CZ2	400A	CK908790000	38570	1
CZ2	630A	CK908800000	45130	1

Chapter ID [8536]

Accessories for CZ Switch Disconnecter				
Frame	Description	CAT No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
CZ1/CZ2	Auxiliary Contact Kit (1 C/O contact)	CK908050000	640	1

Chapter ID [8538]

- Notes:**
- › 2P and 3P versions are also available. Please contact our nearest branch office for further details
 - › Please refer next page for details on offerings for Solar applications

Customer Interaction Center (CIC)

Phone no: 022-6932 7800

Web: www.LK-EA.com | e-mail: CIC@LK-EA.com

CZ Switch Disconnectors - For Solar/PV Application

- › Designed for tough conditions at **solar sites**
- › Separate versions for **800Vac** string inverter systems and upto **1500Vdc** for central inverter systems
- › Suitable for Aluminum termination of double the size recommended by IEC standards
- › **1250Vac** Rated Insulation Voltage
- › **Direct termination** without the need of any extended links
- › Terminal shrouds and phase barriers are provided as standard offering along with the product

Versions: 800Vac | 1000Vdc | 1500Vdc



AC SD

- › Operational Voltage upto 800Vac



DC SD

- › Operational Voltage 1000Vdc & 1500Vdc

DC Switch Disconnectors

Frame	Rating	Voltage	No. of Poles	Description	Cat. No.	M.R.P. (₹) Per Unit
CZ1	125A	1000Vdc	2	Direct Handle, Side operated	CK907930000	*
CZ1	160A	1000Vdc	2	Direct Handle, Side operated	CK907940000	*
CZ1	200A	1000Vdc	2	Direct Handle, Side operated	CK907950000	*
CZ1	250A	1000Vdc	2	Direct Handle, Side operated	CK907960000	*
CZ1	315A	1000Vdc	2	Direct Handle, Side operated	CK907970000	*
CZ2	315A	1000Vdc	2	Direct Handle, Side operated	CK908690000	*
CZ2	400A	1000Vdc	2	Direct Handle, Side operated	CK908700000	*
CZ2	630A	1000Vdc	2	Direct Handle, Side operated	CK908710000	*
CZ0	16A	1500 Vdc	4	Direct Handle, Center operated	CK913140000	*
CZ0	25A	1500 Vdc	4	Direct Handle, Center operated	CK913150000	*
CZ0	32A	1500 Vdc	4	Direct Handle, Center operated	CK913160000	*
CZ0	40A	1500 Vdc	4	Direct Handle, Center operated	CK913170000	*
CZ1	125A	1500Vdc	2	Direct Handle, Side operated	CK907870000	*
CZ1	160A	1500Vdc	2	Direct Handle, Side operated	CK907880000	*
CZ1	200A	1500Vdc	2	Direct Handle, Side operated	CK907890000	*
CZ1	250A	1500Vdc	2	Direct Handle, Side operated	CK907900000	*
CZ1	315A	1500Vdc	2	Direct Handle, Side operated	CK907910000	*
CZ2	315A	1500Vdc	3	Direct Handle, Side operated	CK908660000	*
CZ2	400A	1500Vdc	3	Direct Handle, Side operated	CK908670000	*
CZ2	630A	1500Vdc	3	Direct Handle, Side operated	CK908680000	*

Chapter ID [8536]

*Available on Request

Customer Interaction Center (CIC)

Phone no: 022-6932 7800

Web: www.LK-EA.com | e-mail: CIC@LK-EA.com

800Vac, 3P Switch Disconnectors

Frame	Rating	Handle Type	Cat. No.	M.R.P. (₹) Per Unit
CZ1	125A	Direct	CK907570000	*
CZ1	160A	Direct	CK907580000	*
CZ1	200A	Direct	CK907590000	*
CZ1	250A	Direct	CK907600000	*
CZ1	315A	Direct	CK907610000	*
CZ2	315A	Direct	CK908510000	*
CZ2	400A	Direct	CK908520000	*
CZ2	630A	Direct	CK908530000	*
CZ1	125A	Extended	CK907630000	*
CZ1	160A	Extended	CK907640000	*
CZ1	200A	Extended	CK907650000	*
CZ1	250A	Extended	CK907660000	*
CZ1	315A	Extended	CK907670000	*
CZ2	315A	Extended	CK908540000	*
CZ2	400A	Extended	CK908550000	*
CZ2	630A	Extended	CK908560000	*

Chapter ID [8536]

DC Switch Disconnectors

Frame	Rating	Voltage	No. of Poles	Description	Cat. No.	M.R.P. (₹) Per Unit
CZ2	315A	1500Vdc	2	Direct Handle, Side operated	CK911570000	*
CZ2	400A	1500Vdc	2	Direct Handle, Side operated	CK911580000	*
CZ2	500A	1500Vdc	2	Direct Handle, Side operated	CK911590000	*
CZ2	630A	1500Vdc	2	Direct Handle, Side operated	CK911600000	*
CZ2	315A	1500Vdc	2	Direct Handle, Center operated	CK911610000	*
CZ2	400A	1500Vdc	2	Direct Handle, Center operated	CK911620000	*
CZ2	500A	1500Vdc	2	Direct Handle, Center operated	CK911630000	*
CZ2	630A	1500Vdc	2	Direct Handle, Center operated	CK911640000	*
CZ2	315A	1500Vdc	2	Extended Handle, Side operated	CK911650000	*
CZ2	400A	1500Vdc	2	Extended Handle, Side operated	CK911660000	*
CZ2	500A	1500Vdc	2	Extended Handle, Side operated	CK911670000	*
CZ2	630A	1500Vdc	2	Extended Handle, Side operated	CK911680000	*
CZ2	315A	1500Vdc	2	Extended Handle, Center operated	CK911690000	*
CZ2	400A	1500Vdc	2	Extended Handle, Center operated	CK911700000	*
CZ2	500A	1500Vdc	2	Extended Handle, Center operated	CK911710000	*
CZ2	630A	1500Vdc	2	Extended Handle, Center operated	CK911720000	*
CZ2	315A	1500Vdc	4	Direct Handle, Center operated	CK911770000	*
CZ2	400A	1500Vdc	4	Direct Handle, Center operated	CK911780000	*
CZ2	500A	1500Vdc	4	Direct Handle, Center operated	CK911790000	*
CZ2	630A	1500Vdc	4	Direct Handle, Center operated	CK911800000	*
CZ2	315A	1500Vdc	4	Extended Handle, Center operated	CK911850000	*
CZ2	400A	1500Vdc	4	Extended Handle, Center operated	CK911860000	*
CZ2	500A	1500Vdc	4	Extended Handle, Center operated	CK911870000	*
CZ2	630A	1500Vdc	4	Extended Handle, Center operated	CK911880000	*

Chapter ID [8536]

*Available on Request

Switch-Disconnecter Units [8536]

Type FN & C-Line Switch Disconnecter (2P/TPN/4P)



FN 2P S-D



FN TPN S-D

Features offered by S-D

- › Range 32A to 2000A, 415V, AC 23A
- › Conforms to IEC 60947-3, IS/IEC 60947-3
- › Door interlock & padlock facility

- › Telescopic shaft for depth adjustment
- › Flip-able handle 1000A and above

Size	Rated Current (A)	Open Execution 2P S-D			Std. Pkg. (Nos.)	Open Execution TPN S-D*			Std. Pkg. (Nos.)
		Type	Cat. No.	M.R.P. (₹) Per Unit		Type	Cat. No.	M.R.P. (₹) Per Unit	
Fr 1	32	FN 32 2P	SK904180000	2590	1	FN 32 TPN / 4P	SK955410000	3200	1
	63	FN 63 2P	SK904190000	2970	1	FN 63 TPN / 4P	SK955400000	3750	1
Fr 2	100	FN 100 2P	SK904200000	5350	1	FN 100 TPN	SK955710000	6770	1
	125	FN 125 2P	SK904210000	6700	1	FN 125 TPN	SK954050000	8540	1
Fr 3	200	FN 200 2P	SK904500000	10980	1	FN 200 TPN	SK956070000	13300	1
	250	FN 250 2P	SK904540000	12250	1	FN 250 TPN	SK956830000	15170	1
Fr 4	315	FN 315 2P	SK904650000	16620	1	FN 315 TPN	SK956090000	18440	1
	400	FN 400 2P	SK904660000	17500	1	FN 400 TPN	SK956100000	21380	1
Fr 5	630	FN 630 2P	SK904670000	28080	1	FN 630 TPN	SK956110000	33560	1
	800	FN 800 2P	SK904680000	30130	1	FN 800 TPN	SK955510000	35990	1
	1000	FN 1000 2P	SK904690000	38840	1	FN 1000 TPN	SK957100000	55440	1
Fr 6	1000	-	-	-	-	C-Line SD 1000 4P [§]	COS10000040	66350	1
	1250	-	-	-	-	C-Line SD 1250 4P [§]	COS12500040	82710	1
	1600	-	-	-	-	C-Line SD 1600 4P [§]	COS16000040	105180	1
	2000	-	-	-	-	C-Line SD 2000 4P [§]	COS20000040	137860	1

§ For C-Line SD 3P (1000A to 2000A), please contact nearest branch office

* For Switched Neutral Pole in FN TPN S-D, order Switched Neutral Kit separately.

Refer 'Spares & Accessories for type FN' table

* FN SDF and FN SD models are supplied without terminal shrouds

Spares & Accessories for type FNX [8538]



Castell Type Lock



DIN Rail Assembly



Auxiliary Contact Kit



Handle Assembly

Description	Type	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Auxiliary Contact Kit (1NO + 1 NC)	FNX 32 / 63	SK91537	*	1
	FNX 100	SK91538	*	1
	FNX 125 / 160	SK91539	*	1
	FNX 200 / 250	SK91540	*	1
Handle Assembly	FNX 315 / 400 / 630 / 800	SK91541	*	1
	FNX 32 / 63 / 100	SK91524	*	1
	FNX 125 / 160 / 200 / 250	SK91525	*	1
	FNX 315 / 400 / 630 / 800	SK91526	*	1
Castell Type Lock [§]	FNX 32 / 63 / 100	SK91530	*	1
	FNX 125 / 160 / 200 / 250	SK91531	*	1
	FNX 315 / 400 / 630 / 800	SK91531	*	1
DIN Rail Assembly	FNX 32 / 63 / 100	SK91617	*	1

*Available on request

**Available till stock last

Fuse pulling handle [8538]

For Type HN fuse-link

For Type HF fuse-link

Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Fuse pulling handle for HF Fuse-link from 2A-63A	SK91185	290	1
Insulated fuse pulling handle for Type HN fuse-link from 63A-800A	SF90126	1010	1

Spares & Accessories for type COS Switch-Disconnecter [8538]

Type	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Auxiliary Contact Kit (1 sets of C/O contact)	CXS6002	1220	1
Operating Handle	CXS6001	2620	1
Castell Type Lock [§]	CX60004	3470	1

§ Chapter ID [8301]

Also suitable for Switch-Disconnecter FN 1000

Notes: 1) Add suffix "0000" to all cat nos. of Spares and Accessories.

Spares & Accessories for type FN [8538]



Handle Assembly



Earthing Link



Switched Neutral Kit



Auxiliary Contact Kit



Castell Type Lock

Description	Type	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)	
Auxiliary Contact Kit (1NO + 1 NC)	FN 32 / 63	SK91302	730	1	
	FN 100 / 125 / 160	SK91328	880	1	
	FN 200 / 250	SK91329	1180	1	
	FN 315 / 400 / 630	SK91330	1240	1	
	FN 800/630 ⁽¹⁾	CK91034 [#]	1240	1	
2 nd Aux. Contact (1NO + 1NC)	FN 32 / 63	SK90670	790	1	
	FN 100 to FN 1000	SK90696	910	1	
Earthing Link	FN 32 to FN 1000 ⁽²⁾	CK90396	730	1	
Terminal Shroud Kit	FN 32 / 63	SK91190	250	1	
	FN 100 / 125 / 160	SK91137	310	1	
	FN 200 / 250	SK91335	890	1	
	FN 315 / 400	SK91346	910	1	
	FN 630 / 800	SK91347 [#]	960	1	
Handle Assembly - A	FN 32 / 63	SK91257	690	1	
	FN 100 to FN 250	SK91258	1470	1	
	FN 315 / 400 / 630 / 800	SK91259 [#]	1630	1	
Handle Assembly - B	FN 32 / 63	SK91277	690	1	
	FN 100 to FN 250	SK91278	1470	1	
	FN 315 / 400 / 630 / 800	SK91279 [#]	1630	1	
Handle Assembly - CE	FN 32 / 63	SK91337	410	1	
Interphase Barrier Kit	FN 200	SK91343	630	1	
	FN 315 / 400	SK91344	650	1	
	FN 630 / 800	SK91345 [#]	670	1	
Castell Type Lock [§]	FN 100 / 125 / 160 / 200 / 250	A	SK00333	3470	1
		B	SK00334	3470	1
		C	SK00335	3470	1
		D	SK00336	3470	1
	FN 315 / 400 / 630 / 800	A	SK00345 [#]	3470	1
		B	SK00346 [#]	3470	1
		C	SK00347 [#]	3470	1
		D	SK00348 [#]	3470	1
Switched Neutral Kit	FN 100 / 125 / 160	SK95233	6670	1	
	FN 200 / 250	SK95516	7110	1	
	FN 315 / 400	SK95517	7680	1	
	FN 630 / 800	SK95546 [#]	10670	1	

⁽¹⁾For terminating earth busbar upto 25mm width. Order Qty 1 for 10 earthing links

⁽²⁾FN 630 units manufactured from Dec-2025: Use Auxiliary Contact CK91034.

FN 630 units manufactured before Dec-2025: Use Auxiliary Contact SK91330.

Lauritz Knudsen, 01.03.2026

Type TPN S-D-F suitable for DIN fuse-link (TPN & FP) in open execution

Features offered by FN S-D-F

- › Range 32A to 800A, 415V, AC 23A
- › Conforms to IEC 60947-3, IS/IEC 60947-3
- › Phase Barriers included
- › Telescopic shaft for depth adjustment
- › TPN SDF has isolable neutral
- › 4P SDF has Switched Neutral Pole and is 100% rated
- › Door interlock & padlock facility



FN - TPN S-D-F
(Open Execution)



FN - 4P S-D-F
(Open Execution)



Size	Rated Current (A)	Suitable HRC fuse-link		Open Execution Type FN (TPN) S-D-F suitable for DIN fuse-link			Std. Pkg. (Nos.)	Open Execution Type FN S-D-F suitable for DIN fuse-link (4P)			Std. Pkg. (Nos.)
		Type	Range (A)	Type	Cat. No.	M.R.P. (₹) Per Unit		Type	Cat. No.	M.R.P. (₹) Per Unit	
Fr 1	32	HF Size 14x51	2 to 32	FN 32 TPN / FP	SK95518	3240	1	FN 32 TPN/FP	SK95518	3240	1
	32	HF Size 14x51	2 to 32	FN 32 TPN / FP CE*	SK95703*	2810	1	FN 32 TPN/FP CE*	SK95703*	2810	1
	63	HF Size 14x51	2 to 63	FN 63 TPN / FP	SK95421	4270	1	FN 63 TPN/FP	SK95421	4270	1
	63	HF Size 14x51	2 to 63	FN 63 TPN / FP CE*	SK95704*	3810	1	FN 63 TPN/FP CE*	SK95704*	3810	1
Fr 2	100	HN Size 000	63 to 100	FN 100C TPN	Ck91079	6760	1	-	-	-	-
	100	HN Size 000/00	63 to 100	FN 100 TPN	SK95568	7950	1	FN 100 FP	SK90496	9470	1
	125	HN Size 000/00	63 to 125	FN 125 TPN	SK95001	10300	1	FN 125 FP	SK90497	11790	1
	160	HN Size 000/00	63 to 160	FN 160 TPN	SK95713	11090	1	FN 160 FP	SK90498	13200	1
Fr 3	200	HN Size 0	80 to 200	FN 200 TPN	SK95418	14960	1	FN 200 FP	SK90471	18860	1
	250	HN Size 1	125 to 250	FN 250 TPN	SK95642	17420	1	FN 250 FP	SK90472	21370	1
Fr 4	315	HN Size 1	125 to 315	FN 315 TPN	SK95461	20850	1	FN 315 FP	SK90473	25940	1
	400	HN Size 2	200 to 400	FN 400 TPN	SK95481	25450	1	FN 400 FP	SK90480	29410	1
Fr 5	630	HN Size 3	315 to 630	FN 630 TPN	SK95521	42560	1	FN 630 FP	SK90481	49580	1
	800	HN Size 3	315 to 800	FN 800 TPN	SK95679	45810	1	FN 800 FP	SK90482	56340	1

- * 'CE' handle has door interlock facility without defeat feature
- * FN SDF and FN SD models are supplied without terminal shrouds

FN- TPN S-D-F in SS Enclosure

Features offered by FN S-D-F in SS Enclosure:

- › Range 32A to 800A, 415V, AC 23A
- › Spacious Sheet Steel Enclosure
- › Separate cable gland box not required
- › Phase Barriers included
- › Conforms to IEC 60947-3, IS/IEC 60947-3
- › Suitable for Cylindrical/DIN fuse-link
- › Door interlock & padlock facility



FN - TPN S-D-F in SS Enclosure

Size	Rated Current (A)	Suitable HRC fuse-link		In Sheet Steel Enclosure Type FN (TPN) S-D-F suitable for DIN fuse-link			Std. Pkg. (Nos.)
		Type	Range (A)	Type	Cat. No.	M.R.P. (₹) Per Unit	
Fr 1	32	HF Size 14x51	2 to 32	FN 32 TPN / FP CE*	SK90483*	7620	1
	63	HF Size 14x51	2 to 63	FN 63 TPN / FP CE*	SK90484*	9110	1
Fr 2	100	HN Size 000/00	63 to 100	FN 100 TPN	SK90485	14680	1
	125	HN Size 000/00	63 to 125	FN 125 TPN	SK90486	16650	1
	160	HN Size 000/00	63 to 160	FN 160 TPN	SK90487	17460	1
Fr 3	200	HN Size 0	80 to 200	FN 200 TPN	SK90488	25210	1
	250	HN Size 1	125 to 250	FN 250 TPN	SK90489	27780	1
Fr 4	315	HN Size 1	125 to 315	FN 315 TPN	SK90490	32260	1
	400	HN Size 2	200 to 400	FN 400 TPN	SK90491	36240	1
Fr 5	630	HN Size 3	315 to 630	FN 630 TPN	SK90492	56550	1
	800	HN Size 3	315 to 800	FN 800 TPN	SK90493	60080	1

- * 'CE' handle has door interlock facility without defeat feature

Notes:

- 1) Type FN S-D-F range (Bolted fuse-link) suitable for harsh environment is also available. Please contact nearest branch office for further details
- 2) For 690V AC application, please contact nearest branch office
- 3) The prices for S-D-F range are without HRC fuses
- 4) The SDF units in SS enclosure version can be replaced with FN TPN SDF open execution units. Please refer point 5 for replacement of 250A unit
- 5) For replacement of FN 250 SDF unit in sheet steel enclosure version (Cat. No. SK904890000 & SK956810000), order Cat. No. ST978950000
- 6) Please refer Page 36 for Switch-Disconnectors
- 7) Add suffix "0000" to all cat nos.
- 8) FN SDF and FN SD models are supplied without terminal shrouds

Features offered by HRC fuse link

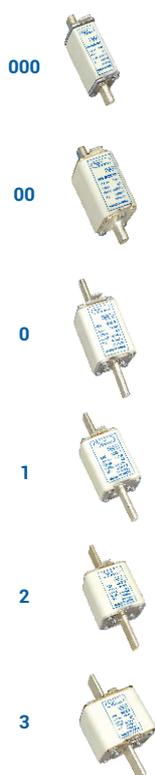
- › Conforms to IEC 60269-2, IS 13703 part 2
- › Range: 2A to 800A, 415V, AC 50Hz
- › Type: Cylindrical (2A to 63A), DIN (63A to 800A) & Bolted (2A to 630A)
- › High breaking capacity: 100kA for type HN and 80kA for type HF/HG/HQ

Cylindrical fuse links Type HF



Size	Rated Current (A)	Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
14 X 51	2	Suitable for Type FN 32 / 63 / FNX 32 / 63 S-D-F & for HCO 32 Fuse base	SF90144	200	30
	4		SF90145	200	30
	6		SF90146	200	30
	8		SF90147	200	30
	10		SF90148	200	30
	16		SF90150	200	30
	20	SF90151	200	30	
	25	SF90152	200	30	
	32	SF90142	200	30	
	40	Suitable for Type FN 63 / FNX 63 S-D-F & for HC 63 Fuse base	SF90143	210	30
	50		SF90158	460	30
	63		SF90159	500	30

DIN Type Fuse Links Type HN



Size	Rated Current (A)	Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
000	63	Suitable for Type FN 100/125/160 / FNX 100/125/160 S-D-F & for HB 160 Fuse base	SF94940	580	3
	80		SF94941	610	3
	100		SF94942	620	3
	125		SF94946	700	3
00	63	Suitable for Type FN 100/125/160 / FNX 125/160 S-D-F & for HB 160 Fuse base	SF94027	760	3
	80		SF94028	760	3
	100		SF94029	760	3
	125		SF94030	760	3
	160		SF94939	780	3
0	80	Suitable for Type FN 200 / FNX 200 S-D-F & for HB 250 Fuse base	SF94128	970	3
	100		SF94129	970	3
	125		SF94130	970	3
	160		SF94131	980	3
	200		SF94132	1020	3
1	125	Suitable for Type FN 250/315 / FNX 250/315 S-D-F & for HB 250 Fuse base	SF94230	1000	3
	160		SF94231	1070	3
	200		SF94232	1070	3
	250		SF94233	1200	3
2	315	Suitable for Type FN 400 / FNX 400 S-D-F & for HB 800 Fuse base	SF94234	1450	3
	200		SF94332	1510	3
	250		SF94333	1550	3
	315		SF94334	1600	3
3	400	Suitable for Type FN 630/800 / FNX 630/800 S-D-F & for HB 800 Fuse base	SF94335	1620	3
	315		SF94434	2250	1
	400		SF94435	2380	1
	500		SF94436	2450	1
3	630	Suitable for Type FN 630/800 / FNX 630/800 S-D-F & for HB 800 Fuse base	SF94437	2580	1
	800		SF94938	3190	1

Fuse holders & Fuse bases suitable for Cylindrical / DIN fuse-links



Rated Current (A)	Type	Description	Suitable fuse-link		Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
			Type	Range (A)			
32	HCO 32	Fuse holder	HF	2-32	SK91314	380	10
63	HC 63	Fuse holder	HF	2-63	SK91043	440	10
160	HB 160	Fuse base	HN-Size 000 & 00	63-160	SK90405	580	12
250	HB 250	Fuse base	HN-Size 0 & 1	80-250	SK90406	1270	3
800	HB 800	Fuse base	HN-Size 2 & 3	200-800	SK91051	2480	3

Notes : 1) Add suffix "0000" to all cat nos.

Type FN S-D-F suitable for DIN fuse-link (2P) in open execution

Features offered by FN S-D-F

- Range 32A to 630A, 415V, AC 23A
- Conforms to IEC 60947-3, IS/IEC 60947-3
- Phase Barriers included
- Telescopic shaft for depth adjustment
- Door interlock & padlock facility

Also for 220Vdc & 240Vac application



FN 2P S-D-F

Size	Rated Current (A)	Suitable fuse-link type	Type FN (2P) S-D-F suitable for DIN fuse-link			Std. Pkg (Nos.)
			Open Execution			
			Type	Cat. No.	M.R.P. (₹) Per Unit	
Fr 1	32	HF Size 14x51	FN 32 2P	SK95594	2650	1
	63	HF Size 14x51	FN 63 2P	SK95595	3540	1
Fr 2	100	HN Size 000/00	FN 100 2P	ST35086	6690	1
	125	HN Size 000/00	FN 125 2P	ST35087	9020	1
	160	HN Size 000/00	FN 160 2P	ST35088	9410	1
Fr 3	200	HN Size 0	FN 200 2P	ST35089	12240	1
	250	HN Size 1	FN 250 2P	ST31674	14220	1
Fr 4	315	HN Size 1	FN 315 2P	ST38930	17610	1
	400	HN Size 2	FN 400 2P	ST31676	19830	1
Fr 5	630	HN Size 3	FN 630 2P	ST35090	34210	1

* Add suffix "0000" to all cat nos.

* FN SDF and FN SD models are supplied without terminal shrouds

Type FN S-D-F suitable for BS fuse-link (TPN) in open execution

For BOLTED fuse-link

Features offered by FN S-D-F

- Range 32A to 630A, 415V, AC 23A
- Conforms to IEC 60947-3, IS/IEC 60947-3
- Phase Barriers included
- Telescopic shaft for depth adjustment
- Door interlock & padlock facility



FN - TPN S-D-F

Size	Rated Current (A)	Suitable fuse-link type	Type FN (TPN) S-D-F suitable for BOLTED fuse-link			Std. Pkg (Nos.)
			Open Execution			
			Type	Cat. No.	M.R.P. (₹) Per Unit	
Fr 1	32	A1L	FN 32 TPN	SK95653	2930	1
	63	A1L	FN 63 TPN	SK95651	3890	1
Fr 2	100	A4	FN 100 TPN	SK95570	7650	1
	125	A4	FN 125 TPN	SK95009	9650	1
	160	A4	FN 160 TPN	SK95714	10410	1
Fr 3	200	B1 / B2	FN 200 TPN	SK95588	14170	1
	250	B2 / B3	FN 250 TPN	SK95682	16720	1
Fr 4	315	B3	FN 315 TPN	SK95590	19990	1
	400	B4	FN 400 TPN	SK95591	24040	1
Fr 5	630	C2	FN 630 TPN	SK95592	41340	1

**Type FNX S-D-F suitable for DIN fuse-link in open execution

Features offered by FNX S-D-F

- Range 32A to 800A, 415V, AC 23A
- TPN and 4P version
- Suitable for Cylindrical / DIN fuse-link
- Telescopic shaft for depth adjustment
- DIN rail mounting up to 100A
- Conforms to IEC 60947-3, IS/IEC 60947-3
- Door interlock & padlock facility
- FNX 4-Pole with in-built Neutral Link



FNX TPN S-D-F

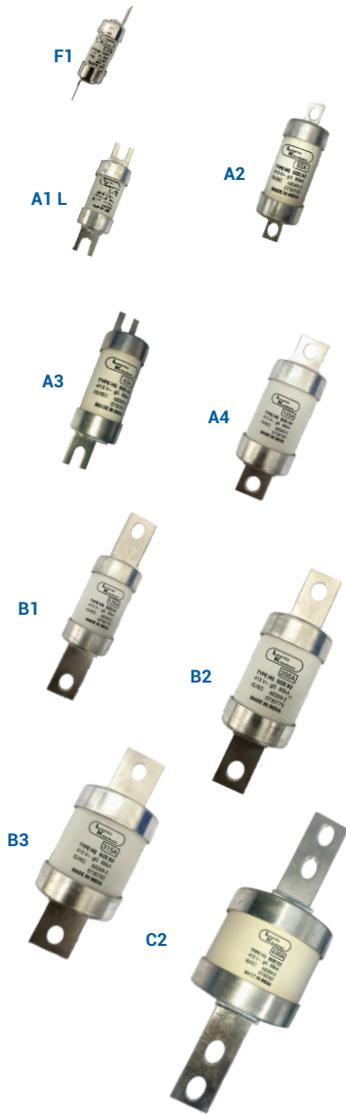
Size	Rated Current (A)	Suitable fuse-link type	Range (A)	Open Execution Type FNX (TPN) S-D-F suitable for DIN fuse-link				Open Execution Type FNX (4P) S-D-F suitable for DIN fuse-link				Std. Pkg. (Nos.)
				Type	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)	Type	Cat. No.	M.R.P. (₹) Per Unit		
Fr 1	32	HF Size 14x51	2 to 32	FNX 32 TPN / FP	SK96903	*	1	FNX 32 TPN / FP	SK96903	*	1	
	63	HF Size 14x51	2 to 63	FNX 63 TPN / FP	SK96904	*	1	FNX 63 TPN / FP	SK96904	*	1	
Fr 2	100	HN Size 000	63 to 100	FNX 100 TPN / FP	SK96906	*	1	FNX 100 TPN / FP	SK96906	*	1	
Fr 3	125	HN Size 000/00	63 to 125	FNX 125 TPN	SK95806	*	1	FNX 125 FP	SK95814	*	1	
	160	HN Size 000/00	63 to 160	FNX 160 TPN	SK95807	*	1	FNX 160 FP	SK95815	*	1	
Fr 4	200	HN Size 0	80 to 200	FNX 200 TPN	SK95808	*	1	FNX 200 FP	SK95816	*	1	
	250	HN Size 1	125 to 250	FNX 250 TPN	SK95809	*	1	FNX 250 FP	SK95817	*	1	
Fr 5	315	HN Size 1	125 to 315	FNX 315 TPN	SK95810	*	1	FNX 315 FP	SK95818	*	1	
	400	HN Size 2	200 to 400	FNX 400 TPN	SK95811	*	1	FNX 400 FP	SK95819	*	1	
Fr 6	630	HN Size 3	315 to 630	FNX 630 TPN	SK95812	*	1	FNX 630 FP	SK95820	*	1	
	800	HN Size 3	315 to 800	FNX 800 TPN	SK95813	*	1	FNX 800 FP	SK95821	*	1	

*Available on request **Available till stock last

Notes:

- For 690V AC application, please contact nearest branch office.
- The prices for S-D-F range are without HRC fuses
- Add suffix "0000" to all cat nos.

Bolted fuse links: Type HG and HQ



Type	Fixing Method	Size	Rating (A)	Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
HG	Offset, staggered	F1	2	Suitable for type HD 20H/20P/20B, HD 32H/32P/32B fuse base	ST30725	80	24
			4		ST30726	80	24
			6		ST30727	80	24
			10		ST30728	80	24
			16		ST30729	90	24
			20		ST30730	90	24
			25		ST30731	90	24
			32		ST30732	90	24
HQ	Offset	A1L	20	Suitable for type FN 32/63 S-D-F	ST34527	160	15
			25		ST34528	160	15
			32		ST34529	160	15
			50		ST35827	200	15
			63		ST35828	200	15
		A2	4	Suitable for type HK 32H/32B fuse base	ST30747	140	12
			6		ST30748	140	12
			10		ST30749	140	12
			16		ST30750	140	12
			20		ST30751	140	12
			25		ST30752	140	12
			32		ST30753	140	12
	A3	35	Suitable for type HK 63B/63H Fuse base	ST30759	210	12	
		50		ST30760	230	12	
		63		ST30761	240	12	
	A4	80	Suitable for type FN 100/125/160 S-D-F & for HK 125H/125B Fuse base	ST30767	450	12	
		100		ST30768	450	12	
		125		ST30769	510	12	
		160		ST35829	580	12	
	Centre Tag, 2 holes	B1	80	Suitable for type FN 200 S-D-F	ST30774	510	12
			100		ST30775	510	12
			125		ST30776	600	12
		B2	125	Suitable for type FN 200/250 S-D-F	ST30777	620	3
			160		ST30778	640	3
200			ST30779		690	3	
B3		250	Suitable for type FN 250/315 S-D-F	ST30781	1010	3	
		315		ST30782	1060	3	
B4		355	Suitable for type FN 400 S-D-F	ST30783	1490	3	
		400		ST30784	1540	3	
Centre Tag, 4 holes		C2	400	Suitable for type FN 630 S-D-F	ST30785	2900	1
			500		ST30786	3060	1
	630		ST30787		3500	1	

Fuse holders suitable for Bolted fuse-links



Rated Current (A)	Type	Connection Method	Fuse Type	Suitable Fuse Range (A)	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
20	HD 20H	Both side cable (Front)	F1	2-20	ST30772	310	12
	HD 20P	Both side busbar (Back)	F1	2-20	ST30773	310	12
	HD 20B	Top busbar & bottom cable	F1	2-20	ST30766	310	12
32	HD 32H	Both side cable (Front)	F1	2-32	ST30733	320	12
	HD 32P	Both side busbar (Back)	F1	2-32	ST30734	320	12
	HD 32B	Top busbar & bottom cable	F1	2-32	ST30735	320	12
	HK 32H	Both side cable (Front)	A2	4-32	ST30754	410	12
	HK 32B	Top busbar & bottom cable	A2	4-32	ST30755	410	12
	63	HK 63H	Both side cable (Front)	A3	35-63	ST30762	580
HK 63B		Top busbar & bottom cable	A3	35-63	ST30763	580	6
125	HK 125H	Both side cable (Front)	A4	80-125	ST30770	1610	3
	HK 125B	Top busbar & bottom cable	A4	80-125	ST30771	1610	3

Notes: 1) Add suffix "0000" to all cat nos.

FEATURES TO MEET EVERY APPLICATION

Contact System

- › Double Break with low let-through energy
- › High Breaking Capacity up to 200kA @ 415V AC
- › 100kA @690V AC at 100% Ics
- › 50kA @ 800V AC offering for Solar PV String inverters
- › 1000V/1500V PV DC Offering

Thermal - Magnetic Release

- › Extended Overload Setting of 67%
- › 16A to 800A Offering
- › Ambient Temperature Compensation
- › Suitable for wide temperature range

Mechanism

- › Class II Front Facia
- › Double Insulation
- › Positive Isolation
- › High Electrical and Mechanical Life

Microprocessor Release

- › Extended Overload Setting of 25%
- › Individual Fault Indication LEDs
- › Battery Operated In-built Display
- › Advanced Metering and Protection
- › Motor Protection Variant with effective Type 2 Coordination

Modular Architecture

- › Compact Size
- › Late Personalization
- › Interchangeability of Releases
- › Reduced Inventory for internal accessories

Modules

- › Temperature Monitoring & Protection
- › Zone Selective Interlocking for effective Selectivity
- › Communication Module for metering & control
- › Remote Operation for Motorized MCCB
- › Breaker Status, Alarm & Trip with Records

FUTURE READY FOR COMPLIANCE AND NEW APPLICATIONS



RESILIENT FOR BETTER SAFETY AND MAINTENANCE

Inventory & Application friendly Internal Accessories



Robust Rotary & Electrically Operated Mechanisms



Reduced Downtime with Plug-in & Drawout Modules



Shrouds for increased personnel safety



Multiple options for Mechanical Interlocking



Versatile Range of Terminations



CONNECTED TO DRIVE ENERGY EFFICIENCY



Data Analytics

Trend Analysis

Real Time Monitoring

Status & Control

Metering & Protection

Data Acquisition



d sine DZ With Thermal - Magnetic Release

Rating (A) Icu=Ics (kA)*	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800			
25	DZ0-125C																				
36	DZ0-125D																				
36/50	DZ1																				
36/50/80/120	DZ2																				
36/50/80/120/200												DZ4									
36/50/80/120/200													DZ6		DZ7						



dsine-DZ0 TM

- › Conforms to IS/IEC 60947-2
- › 16A to 125A, 3P & 4P
- › 25kA & 36kA breaking capacities
- › Ics= 100% of Icu*
- › Adjustable overload settings: 0.8 - 1.0 x In
- › Fixed short-circuit settings: 10 x In
- › Compact size
- › Manual and Rotary versions available
- › Wide range of accessories

Type	Overload Release Range (A)	Breaking Capacity Icu at 415V AC, 50Hz. (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)
			Cat No	M.R.P. (₹) Per Unit	Cat No	M.R.P. (₹) Per Unit	
DZ0-125D*	13-16	36kA	DZ0T0016D5C1A0000	10500	DZ0F0016D5C1A0000	14600	1
	16-20		DZ0T0020D5C1A0000	10500	DZ0F0020D5C1A0000	14600	1
	20-25		DZ0T0025D5C1A0000	10500	DZ0F0025D5C1A0000	14600	1
	26-32		DZ0T0032D5C1A0000	10500	DZ0F0032D5C1A0000	14600	1
	32-40		DZ0T0040D5C1A0000	10500	DZ0F0040D5C1A0000	14600	1
	40-50		DZ0T0050D5C1A0000	10500	DZ0F0050D5C1A0000	14600	1
	50-63		DZ0T0063D5C1A0000	10200	DZ0F0063D5C1A0000	14200	1
	64-80		DZ0T0080D5C1A0000	10200	DZ0F0080D5C1A0000	14200	1
	80-100		DZ0T0100D5C1A0000	10200	DZ0F0100D5C1A0000	14200	1
	100-125		DZ0T0125D5C1A0000 ▲	13200	DZ0F0125D5C1A0000 ▲	17700	1
DZ0-125C	13-16	25kA	DZ0T0016CXC1A0000	10800	DZ0F0016CXC1A0000	15200	1
	16-20		DZ0T0020CXC1A0000	10800	DZ0F0020CXC1A0000	15200	1
	20-25		DZ0T0025CXC1A0000	10800	DZ0F0025CXC1A0000	15200	1
	26-32		DZ0T0032CXC1A0000	10800	DZ0F0032CXC1A0000	15200	1
	32-40		DZ0T0040CXC1A0000	10800	DZ0F0040CXC1A0000	15200	1
	40-50		DZ0T0050CXC1A0000	10800	DZ0F0050CXC1A0000	15200	1
	50-63		DZ0T0063CXC1A0000	10500	DZ0F0063CXC1A0000	14700	1
	64-80		DZ0T0080CXC1A0000	10500	DZ0F0080CXC1A0000	14700	1
	80-100		DZ0T0100CXC1A0000	10500	DZ0F0100CXC1A0000	14700	1
	100-125		DZ0T0125CXC1A0000 ▲	14500	DZ0F0125CXC1A0000 ▲	18300	1

▲ - Spreader Terminals are included

Note:

Breaking Capacity: C = 25kA, D = 36kA

*DZ0-125D : Ics= 50% Icu

Phase barriers are supplied with all MCCBs



d sine DZ With Thermal - Magnetic Release



dsine-DZ1 TM

- › Conforms to IS/IEC 60947-2
- › 16A to 800A, 3P & 4P
- › 36kA, 50kA, 80kA, 120kA & 200kA breaking capacities
- › Ics= 100% of Icu
- › Adjustable overload settings: 0.67 - 1.0 x In
- › Adjustable short-circuit settings: 6 - 12 x In*
- › Transparent sealable release cover
- › Compact size
- › Fixed, Plug-in, Drawout, Rotary and Motorised versions available
- › Wide range of accessories

Type	Overload Release Range (A)	Breaking Capacity Icu at 415V AC, 50Hz. (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)
			Cat No	M.R.P. (₹) Per Unit	Cat No	M.R.P. (₹) Per Unit	
DZ1-160D/ DZ1-200D	11-16	36kA	DZ1T0016DXC1A0000	14900	DZ1F0016DXC1A0000	18500	1
	14-20		DZ1T0020DXC1A0000	14900	DZ1F0020DXC1A0000	18500	1
	17-25		DZ1T0025DXC1A0000	14900	DZ1F0025DXC1A0000	18500	1
	22-32		DZ1T0032DXC1A0000	14900	DZ1F0032DXC1A0000	18500	1
	27-40		DZ1T0040DXC1A0000	14900	DZ1F0040DXC1A0000	18500	1
	34-50		DZ1T0050DXC1A0000	14900	DZ1F0050DXC1A0000	18500	1
	43-63		DZ1T0063DXD1A0000	14400	DZ1F0063DXD1A0000	17900	1
	54-80		DZ1T0080DXD1A0000	14400	DZ1F0080DXD1A0000	17900	1
	67-100		DZ1T0100DXD1A0000	14400	DZ1F0100DXD1A0000	17900	1
	84-125		DZ1T0125DXD1A0000	16200	DZ1F0125DXD1A0000	20000	1
108-160	DZ1T0160DXD1A0000	21300	DZ1F0160DXD1A0000	25300	1		
134-200	DZ1T0200DXD1A0000 ▲	35700	DZ1F0200DXD1A0000 ▲	44900	1		
DZ2-160D	11-16	36kA	DZ2T0016DXC1A0000	17100	DZ2F0016DXC1A0000	21300	1
	14-20		DZ2T0020DXC1A0000	17100	DZ2F0020DXC1A0000	21300	1
	17-25		DZ2T0025DXC1A0000	17100	DZ2F0025DXC1A0000	21300	1
	22-32		DZ2T0032DXC1A0000	17100	DZ2F0032DXC1A0000	21300	1
	27-40		DZ2T0040DXC1A0000	17100	DZ2F0040DXC1A0000	21300	1
	34-50		DZ2T0050DXC1A0000	17100	DZ2F0050DXC1A0000	21300	1
	43-63		DZ2T0063DXD1A0000	16500	DZ2F0063DXD1A0000	20700	1
	54-80		DZ2T0080DXD1A0000	16500	DZ2F0080DXD1A0000	20700	1
	67-100		DZ2T0100DXD1A0000	16500	DZ2F0100DXD1A0000	20700	1
	84-125		DZ2T0125DXD1A0000	18600	DZ2F0125DXD1A0000	23000	1
108-160	DZ2T0160DXD1A0000	24300	DZ2F0160DXD1A0000	29000	1		
DZ4-250D	108-160	36kA	DZ4T0160DXD1A0000	31300	DZ4F0160DXD1A0000	38600	1
	134-200		DZ4T0200DXD1A0000	35900	DZ4F0200DXD1A0000	43200	1
	168-250		DZ4T0250DXD1A0000	37800	DZ4F0250DXD1A0000	45500	1
DZ6-400D	134-200	36kA	DZ6T0200DXD1A0000	46700	DZ6F0200DXD1A0000	57000	1
	168-250		DZ6T0250DXD1A0000	50100	DZ6F0250DXD1A0000	61200	1
	215-320		DZ6T0320DXD1A0000	51800	DZ6F0320DXD1A0000	63200	1
	268-400		DZ6T0400DXD1A0000	51800	DZ6F0400DXD1A0000	63200	1
DZ7-800D	335-500	36kA	DZ7T0500DXD1A0000	58200	DZ7F0500DXD1A0000	73300	1
	422-630		DZ7T0630DXD1A0000	58200	DZ7F0630DXD1A0000	73300	1
	536-800		DZ7T0800DXD1A0000	81100	DZ7F0800DXD1A0000	103200	1

▲- Spreader Terminals are included

Note:

Breaking Capacity: D = 36kA, N = 50kA, H = 80kA

dsine DZ-120kA & 200kA @415V (Ics=100% Icu) MCCBs are available on request.

It is recommended to use spreader terminals for enhancing termination capacity

For Motor back-up protection, use 'M' series of MCCBs such as DZ0-N, DZ1-N, DZ4-N, DZ6-N, DZ7-N

* For DZ1 & DZ2 - 16A to 50A, Fixed Magnetic setting (375A)

For DZ7 630A / 800A, Magnetic setting from 6 In to 10 In / 6 In to 8 In respectively



Type	Overload Release Range (A)	Breaking Capacity Icu at 415V AC, 50Hz. (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)
			Cat No	M.R.P.(₹) Per Unit	Cat No	M.R.P.(₹) Per Unit	
DZ1-160N/ DZ1-200N	11-16	50kA	DZ1T0016NXC1A0000	19900	DZ1F0016NXC1A0000	23900	1
	14-20		DZ1T0020NXC1A0000	19900	DZ1F0020NXC1A0000	23900	1
	17-25		DZ1T0025NXC1A0000	19900	DZ1F0025NXC1A0000	23900	1
	22-32		DZ1T0032NXC1A0000	19900	DZ1F0032NXC1A0000	23900	1
	27-40		DZ1T0040NXC1A0000	19900	DZ1F0040NXC1A0000	23900	1
	34-50		DZ1T0050NXC1A0000	19900	DZ1F0050NXC1A0000	23900	1
	43-63		DZ1T0063NXD1A0000	19300	DZ1F0063NXD1A0000	23200	1
	54-80		DZ1T0080NXD1A0000	19300	DZ1F0080NXD1A0000	23200	1
	67-100		DZ1T0100NXD1A0000	19300	DZ1F0100NXD1A0000	23200	1
	84-125		DZ1T0125NXD1A0000	25400	DZ1F0125NXD1A0000	28100	1
	108-160		DZ1T0160NXD1A0000	27600	DZ1F0160NXD1A0000	33000	1
134-200	DZ1T0200NXD1A0000▲	40800	DZ1F0200NXD1A0000▲	51200	1		
DZ2-160N	11-16	50kA	DZ2T0016NXC1A0000	22900	DZ2F0016NXC1A0000	27500	1
	14-20		DZ2T0020NXC1A0000	22900	DZ2F0020NXC1A0000	27500	1
	17-25		DZ2T0025NXC1A0000	22900	DZ2F0025NXC1A0000	27500	1
	22-32		DZ2T0032NXC1A0000	22900	DZ2F0032NXC1A0000	27500	1
	27-40		DZ2T0040NXC1A0000	22900	DZ2F0040NXC1A0000	27500	1
	34-50		DZ2T0050NXC1A0000	22900	DZ2F0050NXC1A0000	27500	1
	43-63		DZ2T0063NXD1A0000	22200	DZ2F0063NXD1A0000	26700	1
	54-80		DZ2T0080NXD1A0000	22200	DZ2F0080NXD1A0000	26700	1
	67-100		DZ2T0100NXD1A0000	22200	DZ2F0100NXD1A0000	26700	1
	84-125		DZ2T0125NXD1A0000	29200	DZ2F0125NXD1A0000	32200	1
	108-160		DZ2T0160NXD1A0000	31700	DZ2F0160NXD1A0000	37800	1
DZ4-250N	108-160	50kA	DZ4T0160NXD1A0000	36700	DZ4F0160NXD1A0000	46300	1
	134-200		DZ4T0200NXD1A0000	40000	DZ4F0200NXD1A0000	50200	1
	168-250		DZ4T0250NXD1A0000	42200	DZ4F0250NXD1A0000	52900	1
DZ6-400N	134-200	50kA	DZ6T0200NXD1A0000	48800	DZ6F0200NXD1A0000	60300	1
	168-250		DZ6T0250NXD1A0000	51400	DZ6F0250NXD1A0000	63600	1
	215-320		DZ6T0320NXD1A0000	53100	DZ6F0320NXD1A0000	65600	1
	268-400		DZ6T0400NXD1A0000	53100	DZ6F0400NXD1A0000	65600	1
DZ7-800N	335-500	50kA	DZ7T0500NXD1A0000	64600	DZ7F0500NXD1A0000	83500	1
	422-630		DZ7T0630NXD1A0000	64600	DZ7F0630NXD1A0000	83500	1
	536-800		DZ7T0800NXD1A0000	87200	DZ7F0800NXD1A0000	111000	1
DZ2-160H	11-16	80kA	DZ2T0016HXC1A0000	29400	DZ2F0016HXC1A0000	32500	1
	14-20		DZ2T0020HXC1A0000	29400	DZ2F0020HXC1A0000	32500	1
	17-25		DZ2T0025HXC1A0000	29400	DZ2F0025HXC1A0000	32500	1
	22-32		DZ2T0032HXC1A0000	29400	DZ2F0032HXC1A0000	32500	1
	27-40		DZ2T0040HXC1A0000	29400	DZ2F0040HXC1A0000	32500	1
	34-50		DZ2T0050HXC1A0000	29400	DZ2F0050HXC1A0000	32500	1
	43-63		DZ2T0063HXD1A0000	28500	DZ2F0063HXD1A0000	31600	1
	54-80		DZ2T0080HXD1A0000	28500	DZ2F0080HXD1A0000	31600	1
	67-100		DZ2T0100HXD1A0000	28500	DZ2F0100HXD1A0000	31600	1
	84-125		DZ2T0125HXD1A0000	42500	DZ2F0125HXD1A0000	47000	1
	108-160		DZ2T0160HXD1A0000	45300	DZ2F0160HXD1A0000	50700	1
DZ4-250H	108-160	80kA	DZ4T0160HXD1A0000	51600	DZ4F0160HXD1A0000	57600	1
	134-200		DZ4T0200HXD1A0000	60000	DZ4F0200HXD1A0000	72200	1
	168-250		DZ4T0250HXD1A0000	62500	DZ4F0250HXD1A0000	75100	1
DZ6-400H	134-200	80kA	DZ6T0200HXD1A0000	67400	DZ6F0200HXD1A0000	79800	1
	168-250		DZ6T0250HXD1A0000	69500	DZ6F0250HXD1A0000	82300	1
	215-320		DZ6T0320HXD1A0000	70300	DZ6F0320HXD1A0000	83200	1
	268-400		DZ6T0400HXD1A0000	70300	DZ6F0400HXD1A0000	83200	1
DZ7-800H	335-500	80kA	DZ7T0500HXD1A0000	83700	DZ7F0500HXD1A0000	99800	1
	422-630		DZ7T0630HXD1A0000	83700	DZ7F0630HXD1A0000	99800	1
	536-800		DZ7T0800HXD1A0000	98300	DZ7F0800HXD1A0000	128500	1



d sine DZ MCCB with Microprocessor Release

Rating (A) Icu (kA)	40	63	100	160	200	250	400	630	800	1000	
36/50	DZ1										
36/50/80/120	DZ2										
36/50/80/120/200			DZ4			DZ4					
36/50/80/120/200						DZ6		DZ7			

d sine DZ MCCB with Microprocessor Release iTRP1



dsine-DZ iTRP1

- › Conforms to IS/IEC 60947-2
- › 16A to 1000A, 3P & 4P
- › 36kA, 50kA, 80kA, 120kA & 200kA breaking capacities
- › Ics=100% Icu
- › Adjustable overload setting from 0.25 to 1.0 x In
- › Adjustable short-circuit setting from 1.5 to 12 x Ir*
- › Switchable thermal memory
- › Variable trip class
- › Transparent sealable release cover
- › Compact size
- › Fixed, Plug-in, Drawout, Rotary and Motorised versions available
- › Wide range of accessories

Type	Overload Release Range (A)	Breaking Capacity Icu at 415V AC, 50Hz. (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)
			Cat No	M.R.P. (₹) Per Unit	Cat No	M.R.P. (₹) Per Unit	
DZ1-160D ⁺ / DZ1-200D	10-40	36kA	DZ1T0040DXF1A0000	27500	DZ1F0040DXF1A0000	33600	1
	16-63		DZ1T0063DXF1A0000	27500	DZ1F0063DXF1A0000	33600	1
	25-100		DZ1T0100DXF1A0000	27500	DZ1F0100DXF1A0000	33600	1
	40-160		DZ1T0160DXF1A0000	32400	DZ1F0160DXF1A0000	45200	1
	50-200		DZ1T0200DXF1A0000 ▲	45200	DZ1F0200DXF1A0000 ▲	62600	1
DZ2-160D ⁺	10-40		DZ2T0040DXF1A0000	31700	DZ2F0040DXF1A0000	38600	1
	16-63		DZ2T0063DXF1A0000	31700	DZ2F0063DXF1A0000	38600	1
	25-100		DZ2T0100DXF1A0000	31700	DZ2F0100DXF1A0000	38600	1
	40-160		DZ2T0160DXF1A0000	37300	DZ2F0160DXF1A0000	51800	1
DZ4-250D	40-160		DZ4T0160DXF1A0000	43700	DZ4F0160DXF1A0000	60800	1
	63-250		DZ4T0250DXF1A0000	45500	DZ4F0250DXF1A0000	63000	1
DZ6-400D	63-250		DZ6T0250DXF1A0000	52200	DZ6F0250DXF1A0000	67600	1
	100-400		DZ6T0400DXF1A0000	54900	DZ6F0400DXF1A0000	71100	1
DZ7-800D/ DZ7-1000D	158-630		DZ7T0630DXF1A0000	62000	DZ7F0630DXF1A0000	80300	1
	200-800		DZ7T0800DXF1A0000	88200	DZ7F0800DXF1A0000	109200	1
	250-1000	DZ7T1000DXF1A0000 ▲	139000	DZ7F1000DXF1A0000 ▲	192800	1	
DZ1-160N ⁺ / DZ1-200N	10-40	50kA	DZ1T0040NXF1A0000	31900	DZ1F0040NXF1A0000	44000	1
	16-63		DZ1T0063NXF1A0000	31900	DZ1F0063NXF1A0000	44000	1
	25-100		DZ1T0100NXF1A0000	31900	DZ1F0100NXF1A0000	44000	1
	40-160		DZ1T0160NXF1A0000	40100	DZ1F0160NXF1A0000	52600	1
	50-200		DZ1T0200NXF1A0000 ▲	53200	DZ1F0200NXF1A0000 ▲	67500	1
DZ2-160N ⁺	10-40		DZ2T0040NXF1A0000	36600	DZ2F0040NXF1A0000	50600	1
	16-63		DZ2T0063NXF1A0000	36600	DZ2F0063NXF1A0000	50600	1
	25-100		DZ2T0100NXF1A0000	36600	DZ2F0100NXF1A0000	50600	1
	40-160		DZ2T0160NXF1A0000	46000	DZ2F0160NXF1A0000	60300	1

New d sine DZ MCCB with Microprocessor Release iTRP1

Type	Overload Release Range (A)	Breaking Capacity Icu at 415V AC, 50Hz. (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)
			Cat No	M.R.P. (₹) Per Unit	Cat No	M.R.P. (₹) Per Unit	
DZ4-250N	40-160	50kA	DZ4T0160NXF1A0000	52000	DZ4F0160NXF1A0000	66600	1
	63-250		DZ4T0250NXF1A0000	53600	DZ4F0250NXF1A0000	67900	1
DZ6-400N	63-250		DZ6T0250NXF1A0000	58200	DZ6F0250NXF1A0000	75900	1
	100-400		DZ6T0400NXF1A0000	61200	DZ6F0400NXF1A0000	79800	1
DZ7-800N/ DZ7-1000N	158-630		DZ7T0630NXF1A0000	68500	DZ7F0630NXF1A0000	87600	1
	200-800		DZ7T0800NXF1A0000	101000	DZ7F0800NXF1A0000	128500	1
	250-1000		DZ7T1000NXF1A0000 ▲	173100	DZ7F1000NXF1A0000 ▲	240100	1
DZ2-160H [#]	10-40		DZ2T0040HXF1A0000	42800	DZ2F0040HXF1A0000	53200	1
	16-63		DZ2T0063HXF1A0000	42800	DZ2F0063HXF1A0000	53200	1
	25-100		DZ2T0100HXF1A0000	42800	DZ2F0100HXF1A0000	53200	1
	40-160	DZ2T0160HXF1A0000	55900	DZ2F0160HXF1A0000	70000	1	
DZ4-250H	40-160	80kA	DZ4T0160HXF1A0000	57400	DZ4F0160HXF1A0000	71800	1
	63-250		DZ4T0250HXF1A0000	64300	DZ4F0250HXF1A0000	88400	1
DZ6-400H	63-250		DZ6T0250HXF1A0000	77100	DZ6F0250HXF1A0000	101900	1
	100-400		DZ6T0400HXF1A0000	81200	DZ6F0400HXF1A0000	107100	1
DZ7-800H/ DZ7-1000H	158-630		DZ7T0630HXF1A0000	84100	DZ7F0630HXF1A0000	122500	1
	200-800		DZ7T0800HXF1A0000	122400	DZ7F0800HXF1A0000	160100	1
	250-1000		DZ7T1000HXF1A0000 ▲	200900	DZ7F1000HXF1A0000 ▲	290600	1

▲- Spreader Terminals are included

* For DZ7 630A / 800A & 1000A: Magnetic setting from 1.5 In to 10 In / 1.5 In to 8 In respectively

For 25A, please contact nearest branch office

Note:

Breaking Capacity: D = 36kA, N = 50kA, H = 80kA

dsine DZ-120kA & 200kA @415V (Ics=100% Icu) MCCBs are available on request.

It is recommended to use spreader terminals for enhancing termination capacity

dsine DZ Selectivity Version MCCBs are available on request.

New d sine DZ MCCB with Microprocessor Release iTRP3



dsine-DZ iTRP3

- > Conforms to IS/IEC 60947-2
- > 16A to 1000A, 3P & 4P
- > 36kA, 50kA, 80kA, 120kA & 200kA breaking capacities
- > Ics=100% Icu
- > Adjustable overload setting from 0.25 to 1.0 x In
- > Adjustable short-circuit setting from 1.5 to 12 x Ir*
- > Adjustable Instantaneous setting, 6 In & 12 In
- > Inbuilt ground fault protection from 20% to 70% of In
- > Adjustable neutral overload protection from 50% to 200% of Ir
- > Switchable thermal memory
- > Provision for release testing
- > Individual fault indication LEDs
- > Transparent sealable release cover
- > Compact size
- > Fixed, Plug-in, Drawout, Rotary and Motorised versions available
- > Wide range of accessories

Type	Overload Release Range (A)	Breaking Capacity Icu at 415V AC, 50Hz. (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)
			Cat No	M.R.P. (₹) Per Unit	Cat No	M.R.P. (₹) Per Unit	
DZ1-160D* / DZ1-200D	10-40	36kA	DZ1T0040DXH1A0000	46200	DZ1F0040DXH1A0000	53800	1
	16-63		DZ1T0063DXH1A0000	46200	DZ1F0063DXH1A0000	53800	1
	25-100		DZ1T0100DXH1A0000	46200	DZ1F0100DXH1A0000	53800	1
	40-160		DZ1T0160DXH1A0000	53100	DZ1F0160DXH1A0000	65400	1
	50-200		DZ1T0200DXH1A0000 ▲	64700	DZ1F0200DXH1A0000 ▲	79400	1
DZ2-160D*	10-40		DZ2T0040DXH1A0000	52600	DZ2F0040DXH1A0000	61300	1
	16-63		DZ2T0063DXH1A0000	52600	DZ2F0063DXH1A0000	61300	1
	25-100		DZ2T0100DXH1A0000	52600	DZ2F0100DXH1A0000	61300	1
	40-160		DZ2T0160DXH1A0000	60400	DZ2F0160DXH1A0000	74400	1
DZ4-250D	40-160		DZ4T0160DXH1A0000	62500	DZ4F0160DXH1A0000	76800	1
	63-250		DZ4T0250DXH1A0000	65200	DZ4F0250DXH1A0000	80000	1
DZ6-400D	63-250		DZ6T0250DXH1A0000	71900	DZ6F0250DXH1A0000	83300	1
	100-400		DZ6T0400DXH1A0000	75600	DZ6F0400DXH1A0000	87700	1
DZ7-800D / DZ7-1000D	158-630		DZ7T0630DXH1A0000	84400	DZ7F0630DXH1A0000	105200	1
	200-800		DZ7T0800DXH1A0000	113200	DZ7F0800DXH1A0000	134500	1
	250-1000	DZ7T1000DXH1A0000 ▲	161800	DZ7F1000DXH1A0000 ▲	213700	1	
DZ1-160N* / DZ1-200N	10-40	50kA	DZ1T0040NXH1A0000	51200	DZ1F0040NXH1A0000	61000	1
	16-63		DZ1T0063NXH1A0000	51200	DZ1F0063NXH1A0000	61000	1
	25-100		DZ1T0100NXH1A0000	51200	DZ1F0100NXH1A0000	61000	1
	40-160		DZ1T0160NXH1A0000	60800	DZ1F0160NXH1A0000	72800	1
	50-200		DZ1T0200NXH1A0000 ▲	72800	DZ1F0200NXH1A0000 ▲	88500	1
DZ2-160N*	10-40		DZ2T0040NXH1A0000	58200	DZ2F0040NXH1A0000	69400	1
	16-63		DZ2T0063NXH1A0000	58200	DZ2F0063NXH1A0000	69400	1
	25-100		DZ2T0100NXH1A0000	58200	DZ2F0100NXH1A0000	69400	1
	40-160		DZ2T0160NXH1A0000	69200	DZ2F0160NXH1A0000	82900	1
DZ4-250N	40-160		DZ4T0160NXH1A0000	70600	DZ4F0160NXH1A0000	86100	1
	63-250		DZ4T0250NXH1A0000	73300	DZ4F0250NXH1A0000	89600	1
DZ6-400N	63-250		DZ6T0250NXH1A0000	77000	DZ6F0250NXH1A0000	91800	1
	100-400		DZ6T0400NXH1A0000	81100	DZ6F0400NXH1A0000	96600	1
DZ7-800N / DZ7-1000N	158-630		DZ7T0630NXH1A0000	89800	DZ7F0630NXH1A0000	118800	1
	200-800		DZ7T0800NXH1A0000	138500	DZ7F0800NXH1A0000	164400	1
	250-1000	DZ7T1000NXH1A0000 ▲	201600	DZ7F1000NXH1A0000 ▲	266000	1	
DZ2-160H*	10-40	80kA	DZ2T0040HXXH1A0000	69300	DZ2F0040HXXH1A0000	82400	1
	16-63		DZ2T0063HXXH1A0000	69300	DZ2F0063HXXH1A0000	82400	1
	25-100		DZ2T0100HXXH1A0000	69300	DZ2F0100HXXH1A0000	82400	1
	40-160		DZ2T0160HXXH1A0000	82500	DZ2F0160HXXH1A0000	92000	1
DZ4-250H	40-160		DZ4T0160HXXH1A0000	84600	DZ4F0160HXXH1A0000	97600	1
	63-250		DZ4T0250HXXH1A0000	96800	DZ4F0250HXXH1A0000	114100	1
DZ6-400H	63-250		DZ6T0250HXXH1A0000	107000	DZ6F0250HXXH1A0000	134000	1
	100-400		DZ6T0400HXXH1A0000	112800	DZ6F0400HXXH1A0000	141000	1
DZ7-800H / DZ7-1000H	158-630		DZ7T0630HXXH1A0000	122100	DZ7F0630HXXH1A0000	167800	1
	200-800		DZ7T0800HXXH1A0000	163900	DZ7F0800HXXH1A0000	204600	1
	250-1000		DZ7T1000HXXH1A0000 ▲	253000	DZ7F1000HXXH1A0000 ▲	328100	1

▲ - Spreader Terminals are included

* For DZ7 630A / 800A & 1000A: Magnetic setting from 1.5 In to 10 In / 1.5 In to 8 In respectively

For 25A, please contact nearest branch office

Note:

Breaking Capacity : D = 36kA, N = 50kA, H = 80kA

dsine DZ 120kA & 200kA @415V (Ics=100% Icu) MCCBs are available on request.

It is recommended to use spreader terminals for enhancing termination capacity

dsine DZ Selectivity Version MCCBs are available on request.

New

Rating (A) Icu (kA)	40	63	100	160	200	250	400	630	800	1000
	DZ1 [§]									
36/50/80/120	DZ2									
36/50/80/120/200				DZ4		DZ4				
36/50/80/120/200							DZ6		DZ7	

[§] iTRP4 Only

d sine DZ MCCB with Microprocessor Releases iTRP4 & iTRP5

- › Confirms to IS/IEC 60947-2
- › 16A to 1000A, 3P & 4P
- › 36kA, 50kA, 80kA, 120kA & 200kA breaking capacities
- › Ics=100% Icu
- › Adjustable Overload Settings from 0.25 to 1 In (in steps of 0.01)
- › Adjustable Short Circuit Settings from 1.5 to 12 Ir (in steps of 0.1)
- › Adjustable Instantaneous Settings from 1.5 to 12 Ir (in steps of 0.1)
- › In-built Ground Fault Protection from 0.1 to 1 In (in steps of 0.05)
- › Adjustable Neutral Overload Protection from 50% to 160% of Ir
- › Local LCD Display Menu Navigation using Keypad
- › Modbus RTU Communication Capable
- › Switchable Thermal Memory
- › Provision for Release Testing
- › Variable trip class
- › Transparent sealable release cover
- › Compact size
- › Wide range of accessories

Advance Metering Solution



Measurement & Diagnostics

- › Advanced Current based protection function via iTRP4 Release
- › Advanced Energy based protection function via iTRP5 Release
- › I²T, SI, LI-VI based over load curves
- › Advanced Protections like Maximum Demand, Phase Sequence, THD etc
- › Common Fault Indication and Diagnostic LED
- › Self, Auxiliary and Battery Mode
- › Trip & Event Records available
- › Communication module for remote monitoring & control
- › Temperature module with thermal sensors for online temperature monitoring
- › Zone Selective Interlocking (ZSI) module for system level coordination of faults

Accessories for iTRP4 & iTRP5 [8538]

Modules	Details
Communication Module	*
Aux. Power Supply Module	
Temperature Module (with Thermal Sensors)	
Zone Selective Interlocking Module	
Programmable Relay Module	

* On request



- › Range: 16A to 800A, 50kA
- › Suitable for isolation
- › Wide Range of snap fit Internal and External Accessories

3 Pole					
Type	Current Rating (A)	Breaking Capacity Icu at 415V. AC, 50Hz. (kA)	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
DZ0-125N	32	50kA	DZ0T0032N5M1A0000	8000	1
	40		DZ0T0040N5M1A0000	8000	1
	63		DZ0T0063N5M1A0000	7900	1
	80		DZ0T0080N5M1A0000	7900	1
	100		DZ0T0100N5M1A0000	7900	1
	125		DZ0T0125N5M1A0000 ▲	10300	1
DZ1-160N/ DZ1-200N	32		DZ1T0032NXM1A0000	10400	1
	40		DZ1T0040NXM1A0000	10400	1
	63		DZ1T0063NXM1A0000	10300	1
	80		DZ1T0080NXM1A0000	10300	1
	100		DZ1T0100NXM1A0000	10300	1
	125		DZ1T0125NXM1A0000	10800	1
	160		DZ1T0160NXM1A0000	12400	1
	200		DZ1T0200NXM1A0000 ▲	23100	1
DZ4-250N	250		DZ4T0250NXM1A0000	27400	1
DZ6-400N	320		DZ6T0320NXM1A0000	34600	1
	400		DZ6T0400NXM1A0000	36300	1
DZ7-800N	500		DZ7T0500NXM1A0000	40100	1
	630	DZ7T0630NXM1A0000	42600	1	
	800	DZ7T0800NXM1A0000	44400	1	

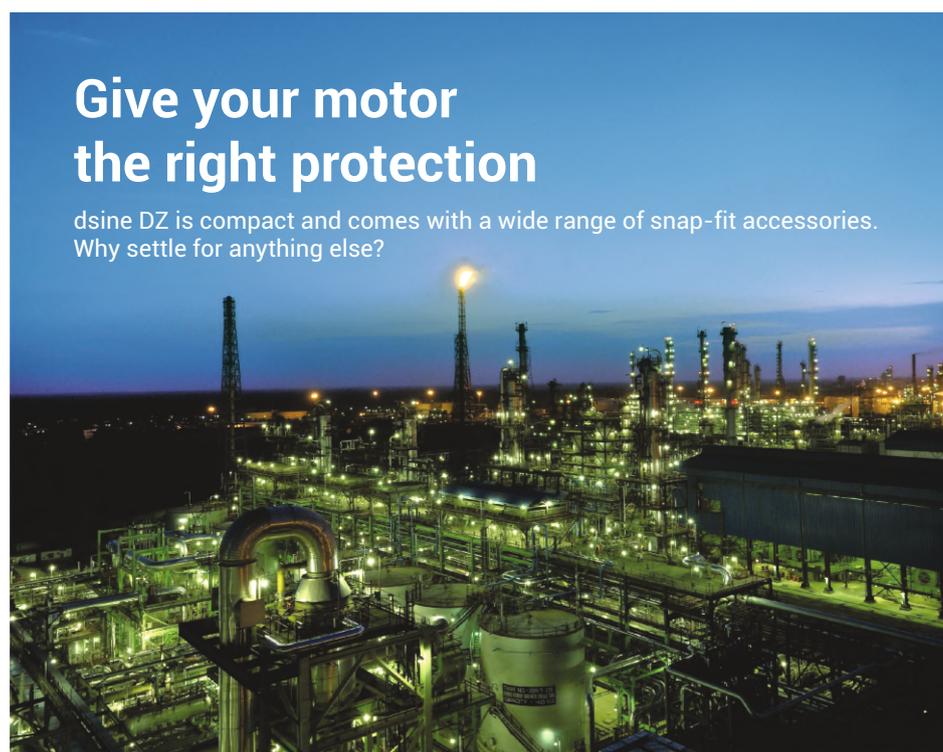
▲- Spreader Terminals are included

Note:

Please contact nearest branch office for Fuseless Type 2 Co-ordination selection charts.
For Microprocessor based Motor back-up Protection MCCBs, please contact nearest branch office.
For lower HP Motors, Please select MMS. Details are given on page no.21



Representative Application Image



Give your motor the right protection

dsine DZ is compact and comes with a wide range of snap-fit accessories. Why settle for anything else?



d sine -DZ

d sine DZ 800V MCCB Range [8536]

New

Rating (A) Icu (kA) @ 800V	200	250	320	400	500	630
25/36/50	DZ6					
36/50					DZ7	



dsine-DZ TM

- › Conforms to IS/IEC 60947-2
- › 200A to 630A, 3P/4P
- › 25kA, 36kA & 50kA @800V breaking capacities
- › Rated insulation voltage: 1250V AC rms
- › Adjustable overload settings: 0.67 - 1.0 x In
- › Adjustable short-circuit settings: 6 - 12 x In**
- › Transparent sealable release cover
- › Ambient Temperature Compensation
- › High Electrical & Mechanical life***
- › Manual and Rotary versions available
- › Standard Back Insulating Plates included for 3P MCCBs
- › Wide range of accessories

d sine DZ 800V with Thermal - Magnetic Release

Type	Overload Release Range (A)	Breaking Capacity Icu at 800V AC, 50Hz. (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)
			Cat No	M.R.P. (₹) Per Unit	Cat No	M.R.P. (₹) Per Unit	
DZ6-400W	134-200	25kA	DZ6T0200WXD1A0000	*	DZ6F0200WXD1A0000	*	1
	168-250		DZ6T0250WXD1A0000		DZ6F0250WXD1A0000		1
DZ6-400Y	134-200	36kA	DZ6T0200YXD1A0000	*	DZ6F0200YXD1A0000	*	1
	168-250		DZ6T0250YXD1A0000		DZ6F0250YXD1A0000		1
	214-320		DZ6T0320YXD1A0000		DZ6F0320YXD1A0000		1
	268-400		DZ6T0400YXD1A0000		DZ6F0400YXD1A0000		1
DZ7-800Y	335-500		DZ7T0500YXD1A0000		DZ7F0500YXD1A0000		1
	422-630		DZ7T0630YXD1A0000		DZ7F0630YXD1A0000		1
DZ6-400Z	134-200	50kA	DZ6T0200ZXD1A0000 [†]	*	DZ6F0200ZXD1A0000 [†]	*	1
	168-250		DZ6T0250ZXD1A0000 [†]		DZ6F0250ZXD1A0000 [†]		1
	214-320		DZ6T0320ZXD1A0000 [†]		DZ6F0320ZXD1A0000 [†]		1
	268-400		DZ6T0400ZXD1A0000 [†]		DZ6F0400ZXD1A0000 [†]		1
DZ7-800Z	335-500		DZ7T0500ZXD1A0000		DZ7F0500ZXD1A0000		1
	422-630		DZ7T0630ZXD1A0000		DZ7F0630ZXD1A0000		1

* Price on request

Please contact nearest branch office for 50kA (Ics=100% Icu)

** For DZ7 630A - Magnetic setting from 6 In to 10 In

*** Mechanical Life - 20000 Operations; Electrical Life - 4000 Operations (DZ6) & 2500 Operations (DZ7)

General Information

- › Ambient temperature compensation in MCCBs helps prevent nuisance tripping by adjusting for temperature variations that affect the thermal elements. High ambient temperatures can cause premature tripping, while low temperatures may delay it. This is most suitable for Solar application.

New

Rating (A) Icu (kA) @ 800V	125	160	200	250	320	400	500	630	800	
25/36/50	DZ6									
36/50							DZ7			



dsine-DZ iTRP1

- › Conforms to IS/IEC 60947-2
- › 125A to 800A, 3P/4P
- › 25kA, 36kA & 50kA @800V breaking capacities
- › Rated insulation voltage: 1250V AC rms
- › Adjustable overload setting from 0.25 to 1.0 x In
- › Adjustable short-circuit setting from 1.5 to 12 x Ir**
- › Switchable thermal memory
- › Variable trip class
- › Transparent sealable release cover
- › High Electrical & Mechanical life***
- › Manual and Rotary versions available
- › Standard Back Insulating Plates included for 3P MCCBs
- › Wide range of accessories

d sine DZ 800V with Microprocessor Release iTRP1

Type	Overload Release Range (A)	Breaking Capacity Icu at 800V AC, 50Hz. (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)
			Cat No	M.R.P. (₹) Per Unit	Cat No	M.R.P. (₹) Per Unit	
DZ6-400W	31-125	25kA	DZ6T0125WXF1A0000	*	DZ6F0125WXF1A0000	*	1
	40-160		DZ6T0160WXF1A0000		DZ6F0160WXF1A0000		1
	50-200		DZ6T0200WXF1A0000		DZ6F0200WXF1A0000		1
	63-250		DZ6T0250WXF1A0000		DZ6F0250WXF1A0000		1
	80-320		DZ6T0320WXF1A0000		DZ6F0320WXF1A0000		1
	100-400		DZ6T0400WXF1A0000		DZ6F0400WXF1A0000		1
DZ6-400Y	31-125	36kA	DZ6T0125YXF1A0000	*	DZ6F0125YXF1A0000	*	1
	40-160		DZ6T0160YXF1A0000		DZ6F0160YXF1A0000		1
	50-200		DZ6T0200YXF1A0000		DZ6F0200YXF1A0000		1
	63-250		DZ6T0250YXF1A0000		DZ6F0250YXF1A0000		1
	80-320		DZ6T0320YXF1A0000		DZ6F0320YXF1A0000		1
	100-400		DZ6T0400YXF1A0000		DZ6F0400YXF1A0000		1
DZ7-800Y	125-500		DZ7T0500YXF1A0000		DZ7F0500YXF1A0000		1
	156-630		DZ7T0630YXF1A0000		DZ7F0630YXF1A0000		1
	200-800		DZ7T0800YXF1A0000		DZ7F0800YXF1A0000		1
DZ6-400Z	31-125	50kA	DZ6T0125ZXF1A0000 [†]	*	DZ6F0125ZXF1A0000 [†]	*	1
	40-160		DZ6T0160ZXF1A0000 [†]		DZ6F0160ZXF1A0000 [†]		1
	50-200		DZ6T0200ZXF1A0000 [†]		DZ6F0200ZXF1A0000 [†]		1
	63-250		DZ6T0250ZXF1A0000 [†]		DZ6F0250ZXF1A0000 [†]		1
	80-320		DZ6T0320ZXF1A0000 [†]		DZ6F0320ZXF1A0000 [†]		1
	100-400		DZ6T0400ZXF1A0000 [†]		DZ6F0400ZXF1A0000 [†]		1
DZ7-800Z	125-500		DZ7T0500ZXF1A0000		DZ7F0500ZXF1A0000		1
	156-630		DZ7T0630ZXF1A0000		DZ7F0630ZXF1A0000		1
	200-800		DZ7T0800ZXF1A0000		DZ7F0800ZXF1A0000		1

* Price on request

Please contact nearest branch office for 50kA (Ics=100% Icu)

** For DZ7 630A / 800A, Magnetic setting from 1.5 In to 10 In / 1.5 In to 8 In respectively

*** Mechanical Life - 20000 Operations; Electrical Life - 4000 Operations (DZ6) & 2500 Operations (DZ7)

d sine DZ 800V MCCB Range [8536]

New

Rating (A) Icu (kA) @ 800V	200	250	320	400	500	630	800
25/36/50	DZ6						
36/50					DZ7		



dsine-DZ iTRP3

- › Conforms to IS/IEC 60947-2
- › 125A to 800A, 3P/4P
- › 25kA, 36kA & 50kA @800V breaking capacities
- › Rated insulation voltage: 1250V AC rms
- › Adjustable overload setting from 0.25 to 1.0 x In
- › Adjustable short-circuit setting from 1.5 to 12 x Ir**
- › Adjustable Instantaneous setting, 6 In & 12 In
- › Inbuilt ground fault protection from 20% to 70% of In
- › Adjustable neutral overload protection from 50% to 200% of Ir
- › Switchable thermal memory
- › Variable trip class
- › Individual fault indication LEDs
- › Transparent sealable release cover
- › High Electrical & Mechanical life***
- › Manual and Rotary versions available
- › Standard Back Insulating Plates included for 3P MCCBs
- › Wide range of accessories

d sine DZ 800V with Microprocessor Release iTRP3

Type	Overload Release Range (A)	Breaking Capacity Icu at 800V AC, 50Hz. (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)
			Cat No	M.R.P. (₹) Per Unit	Cat No	M.R.P. (₹) Per Unit	
DZ6-400W	50-200	25kA	DZ6T0200WXH1A0000	*	DZ6F0200WXH1A0000	*	1
	63-250		DZ6T0250WXH1A0000		DZ6F0250WXH1A0000		1
	80-320		DZ6T0320WXH1A0000		DZ6F0320WXH1A0000		1
	100-400		DZ6T0400WXH1A0000		DZ6F0400WXH1A0000		1
DZ6-400Y	50-200	36kA	DZ6T0200YXH1A0000	*	DZ6F0200YXH1A0000	*	1
	63-250		DZ6T0250YXH1A0000		DZ6F0250YXH1A0000		1
	80-320		DZ6T0320YXH1A0000		DZ6F0320YXH1A0000		1
	100-400		DZ6T0400YXH1A0000		DZ6F0400YXH1A0000		1
DZ7-800Y	125-500		DZ7T0500YXH1A0000		DZ7F0500YXH1A0000		1
	156-630		DZ7T0630YXH1A0000		DZ7F0630YXH1A0000		1
	200-800		DZ7T0800YXH1A0000		DZ7F0800YXH1A0000		1
DZ6-400Z	50-200	50kA	DZ6T0200ZXH1A0000 [†]	*	DZ6F0200ZXH1A0000 [†]	*	1
	63-250		DZ6T0250ZXH1A0000 [†]		DZ6F0250ZXH1A0000 [†]		1
	80-320		DZ6T0320ZXH1A0000 [†]		DZ6F0320ZXH1A0000 [†]		1
	100-400		DZ6T0400ZXH1A0000 [†]		DZ6F0400ZXH1A0000 [†]		1
DZ7-800Z	125-500		DZ7T0500ZXH1A0000		DZ7F0500ZXH1A0000		1
	156-630		DZ7T0630ZXH1A0000		DZ7F0630ZXH1A0000		1
	200-800		DZ7T0800ZXH1A0000		DZ7F0800ZXH1A0000		1

* Price on request

Please contact nearest branch office for 50kA (Ics=100% Icu)

** For DZ7 630A / 800A, Magnetic setting from 1.5 In to 10 In / 1.5 In to 8 In respectively

*** Mechanical Life - 20000 Operations; Electrical Life - 4000 Operations (DZ6) & 2500 Operations (DZ7)

New



**Auxiliary Contact
Trip Alarm Contact**



Shunt Release



UV Release

Internal Accessories			
Description	Cat No	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Auxiliary Contact/ Trip Alarm Contact [8538]			
DZ0 Aux/TAC 1 C/o	EM909660000	800	1
DZ1/2/4 Aux/TAC 1 C/o	EM901100000	1250	1
DZ6/7 Aux/TAC 1 C/o	EM901140000	1360	1
Shunt Release [8538]			
DZ0 Shunt 110/240/415V AC	EM905200M00	1080	1
DZ1/2/4 Shunt 415V AC	EM900320P00	3320	1
DZ1/2/4 Shunt 240V AC	EM900320B00	3320	1
DZ1/2/4 Shunt 110V AC	EM900320A00	3320	1
DZ1/2/4 Shunt 48V AC	EM900320J00	3320	1
DZ1/2/4 Shunt 24V AC	EM900320G00	3320	1
DZ1/2/4 Shunt 220V DC	EM900320200	3320	1
DZ1/2/4 Shunt 110V DC	EM900320100	3320	1
DZ1/2/4 Shunt 48V DC	EM900320500	3320	1
DZ1/2/4 Shunt 24V DC	EM900320400	3320	1
DZ1/2/4 Shunt 12V DC	EM900320300	3320	1
DZ6/7 Shunt 415V AC	EM900340P00	3720	1
DZ6/7 Shunt 240V AC	EM900340B00	3720	1
DZ6/7 Shunt 110V AC	EM900340E00	3720	1
DZ6/7 Shunt 48V AC	EM900340J00	3720	1
DZ6/7 Shunt 24V AC	EM900340G00	3720	1
DZ6/7 Shunt 220V DC	EM900340200	3720	1
DZ6/7 Shunt 110V DC	EM900340100	3720	1
DZ6/7 Shunt 48V DC	EM900340500	3720	1
DZ6/7 Shunt 24V DC	EM900340400	3720	1
DZ6/7 Shunt 12V DC	EM900340300	3720	1

Internal Accessories			
Description	Cat No	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Under Voltage Release [8538]			
DZ0 UVR 240V AC	EM90518B000	3260	1
DZ1/2/4 UVR 415V AC	EM90031P000	4290	1
DZ1/2/4 UVR 240V AC	EM90031B000	4290	1
DZ1/2/4 UVR 110V AC	EM90031E000	4290	1
DZ1/2/4 UVR 48V AC	EM90031J000	4290	1
DZ1/2/4 UVR 24V AC	EM90031G000	4290	1
DZ1/2/4 UVR 220V DC	EM900312000	4290	1
DZ1/2/4 UVR 110V DC	EM900311000	4290	1
DZ1/2/4 UVR 48V DC	EM900315000	4290	1
DZ1/2/4 UVR 24V DC	EM900314000	4290	1
DZ1/2/4 UVR 12V DC	EM900313000	4290	1
DZ6/7 UVR 415V AC	EM90033P000	4770	1
DZ6/7 UVR 240V AC	EM90033B000	4770	1
DZ6/7 UVR 110V AC	EM90033E000	4770	1
DZ6/7 UVR 48V AC	EM90033J000	4770	1
DZ6/7 UVR 24V AC	EM90033G000	4770	1
DZ6/7 UVR 220V DC	EM900332000	4770	1
DZ6/7 UVR 110V DC	EM900331000	4770	1
DZ6/7 UVR 48V DC	EM900335000	4770	1
DZ6/7 UVR 24V DC	EM900334000	4770	1
DZ6/7 UVR 12V DC	EM900333000	4770	1

Accessories for DZ MCCBs [8538]

New



Direct ROM



Extended ROM



Key Lock



EOM



Spreaders Terminals



Rear Terminals



Box Clamp Terminals

External Accessories			
Description	Cat No	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Rotary Mechanism (Direct/Extended) [8538]			
DZ0 Direct ROM	EM909690000	1610	1
DZ1 Direct ROM	EM902070000	1790	1
DZ2 Direct ROM	EM902080000	2040	1
DZ4 Direct ROM	EM903860000	2380	1
DZ6 Direct ROM	EM902280000	2950	1
DZ7 Direct ROM	EM903500000	4090	1
DZ0 Extended ROM	EM909700000	2310	1
DZ1 Extended ROM	EM902090000	2420	1
DZ2 Extended ROM	EM902100000	2840	1
DZ4 Extended ROM	EM902930000	3610	1
DZ6 Extended ROM	EM902760000	4760	1
DZ7 Extended ROM	EM903810000	4990	1
Panel Door mounted Key lock for Extended ROM [8301]			
DZ0/1/2/4 Key Lock Type 1	EM990310000	6630	1
DZ0/1/2/4 Key Lock Type 2	EM99031000A	6630	1
DZ0/1/2/4 Key Lock Type 3	EM99031000B	6630	1
DZ0/1/2/4 Key Lock Type 12	EM99031000C	6630	1
DZ0/1/2/4 Key Lock Type 23	EM99031000D	6630	1
DZ6/7 Key Lock Type 1	EM991410000	7860	1
DZ6/7 Key Lock Type 2	EM99141000A	7860	1
DZ6/7 Key Lock Type 3	EM99141000B	7860	1
DZ6/7 Key Lock Type 12	EM99141000C	7860	1
DZ6/7 Key Lock Type 23	EM99141000D	7860	1
Electrical Operating Mechanism [8538]			
DZ1 240V AC	EM90490B000	41500	1
DZ2 240V AC	EM90545B000	45300	1
DZ4 240V AC		*	
DZ6 240V AC	EM90355B000	56800	1
DZ7 240V AC	EM90480B000	87500	1

* Price on request

Note:

For Electrical Operating Mechanism, refer wiring diagram from Product Catalogue or Product Manual.

External Accessories			
Description	Cat No	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Spreader Terminals (Up to 690V AC #) [8538]			
DZ0-100 3 Pole	EM992820000	590	Set of 6
DZ0-100 4 Pole	EM992830000	920	Set of 8
DZ1, DZ2-160 3 Pole	EM906090000	2030	Set of 6
DZ1, DZ2-160 4 Pole	EM906100000	2660	Set of 8
DZ4-250 - 3 Pole	EM940960000	3050	Set of 6
DZ4-250 - 4 Pole	EM940970000	4070	Set of 8
DZ6-400 - 3 Pole	EM906110000	4390	Set of 6
DZ6-400 - 4 Pole	EM906120000	5900	Set of 8
DZ7-630 - 3 Pole	EM970500000	10400	Set of 6
DZ7-630 - 4 Pole	EM970520000	13300	Set of 8
DZ7-800 - 3 Pole	EM970510000	13400	Set of 6
DZ7-800 - 4 Pole	EM970530000	16500	Set of 8
Rear Terminals [8538]			
DZ1-160 3 Pole	EM911760000	5550	Set of 6
DZ1-160 4 Pole	EM911770000	7930	Set of 8
DZ2-160 3 Pole	EM920880000	6150	Set of 6
DZ2-160 4 Pole	EM920890000	8730	Set of 8
DZ4-250 - 3 Pole	EM940580000	7450	Set of 6
DZ4-250 - 4 Pole	EM940590000	10700	Set of 8
DZ6-400 - 3 Pole	EM960450000	10100	Set of 6
DZ6-400 - 4 Pole	EM960460000	14600	Set of 8
DZ7-800 - 3 Pole	EM970450000	12600	Set of 6
DZ7-800 - 4 Pole	EM970460000	18300	Set of 8
Box Clamp Termination [8538]			
DZ1, DZ2-160 3 Pole	EM921760000	5000	Set of 6
DZ1, DZ2-160 4 Pole	EM921770000	7140	Set of 8
DZ4-250 - 3 Pole	EM940940000	6700	Set of 6
DZ4-250 - 4 Pole	EM940950000	9610	Set of 8
DZ6-400 - 3 Pole	EM969850000	9110	Set of 6
DZ6-400 - 4 Pole	EM963700000	13100	Set of 8

Note:

Phase Barriers are supplied along with MCCBs

For 800V Application Spreaders, please contact nearest branch office

Accessories for DZ MCCBs [8538]

New

	DZ1	DZ2	DZ4	DZ6	DZ7
Plug-in	Full Kit				Fixed Kit + Conversion Kit
Draw-out					Fixed Kit + Conversion Kit



Plug-in



Draw-out

External Accessories			
Description	Cat No	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Plug-in Module [8538]			
DZ1 3 Pole Full Kit	EM902010000	*	1
DZ1 4 Pole Full Kit	EM902020000	*	1
DZ2 3 Pole Full Kit	EM902620000	*	1
DZ2 4 Pole Full Kit	EM902630000	*	1
DZ4 3 Pole Full Kit	EM902500000	*	1
DZ4 4 Pole Full Kit	EM902510000	*	1
DZ6 3 Pole Full Kit	EM902460000	*	1
DZ6 4 Pole Full Kit	EM902470000	*	1
DZ7-630 3 Pole Fixed Kit	EM992560000	*	1
DZ7-630 3 Pole Conversion Kit	EM992540000	*	1
DZ7-630 4 Pole Fixed Kit	EM992570000	*	1
DZ7-630 4 Pole Conversion Kit	EM992550000	*	1
DZ7-800 3 Pole Fixed Kit	EM990610000	*	1
DZ7-800 3 Pole Conversion Kit	EM990690000	*	1
DZ7-800 4 Pole Fixed Kit	EM990620000	*	1
DZ7-800 4 Pole Conversion Kit	EM990700000	*	1

* Price on request

Description	Cat No	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Short Terminal Shroud \$ [8538]			
DZ1-160 3 Pole	EM990810000	2850	1
DZ1-160 4 Pole	EM990820000	3430	1
DZ2-160 3 Pole	EM990850000	2850	1
DZ2-160 4 Pole	EM990870000	3430	1
DZ4-250 - 3 Pole	EM990890000	3000	1
DZ4-250 - 4 Pole	EM990910000	4370	1
DZ6-400 - 3 Pole	EM990930000	3980	1
DZ6-400 - 4 Pole	EM990940000	5410	1
DZ7-630/800 - 3 Pole	EM990970000	4340	1
DZ7-630/800 - 4 Pole	EM990990000	5980	1

\$ Long Terminal Shrouds available on request

External Accessories			
Description	Cat No	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Draw-out Module [8538]			
DZ4 3 Pole Fixed Kit	EM902600000	*	1
DZ4 3 Pole Conversion Kit	EM902580000	*	1
DZ4 4 Pole Fixed Kit	EM902610000	*	1
DZ4 4 Pole Conversion Kit	EM902590000	*	1
DZ6 3 Pole Fixed Kit	EM902560000	*	1
DZ6 3 Pole Conversion Kit	EM902540000	*	1
DZ6 4 Pole Fixed Kit	EM902570000	*	1
DZ6 4 Pole Conversion Kit	EM902550000	*	1
DZ7-630 3 Pole Fixed Kit	EM991050000	*	1
DZ7-630 3 Pole Conversion Kit	EM991030000	*	1
DZ7-630 4 Pole Fixed Kit	EM991060000	*	1
DZ7-630 4 Pole Conversion Kit	EM991040000	*	1
DZ7-800 3 Pole Fixed Kit	EM904550000	*	1
DZ7-800 3 Pole Conversion Kit	EM904530000	*	1
DZ7-800 4 Pole Fixed Kit	EM904560000	*	1
DZ7-800 4 Pole Conversion Kit	EM904540000	*	1

Direct ROM or EOM is to be ordered mandatorily along with Drawout Module

* Price on request

Description	Cat No	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
External Neutral CT [8504]			
DZ1, DZ2 - 40A, 63A, 80A	EM905070000	2460	1
DZ1, DZ2 - 100A, 160A	EM905080000	2460	1
DZ1 - 200A	EM905090000	3640	1
DZ4 - 160A, 250A	EM905120000	4320	1
DZ6 - 250A, 400A	EM905150000	6640	1
DZ7 - 630A, 800A	EM905160000	10300	1
DZ7 - 1000A	EM973260000	10800	1
Adaptor Kit for External Neutral CT [8538]			
DZ1, DZ2 & DZ4 - Up to 250A	CM999940000	1070	Set of 2
DZ6 - Up to 400A	CM999950000	2070	Set of 2
DZ7 - Up to 1000A	EM972270000	7530	Set of 2

Accessories for DZ MCCBs [8538]

New

Mechanical Interlocking Kit Range	DZ1	DZ2	DZ4	DZ6
Front Slider	✓	✓	✓	
Rear Base Plate	-	-	✓	✓
Cable Base Plate	✓	✓	✓	✓



Front Slider



Cable Base Plate



Rear Base Plate

External Accessories			
Description	Cat No	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Mechanical Interlocking Options [8538]			
1. Front Slider MIL #			
DZ1 Front Slider	EM903960000	4270	1
DZ2 Front Slider	EM903970000	4490	1
DZ2/DZ4 Front Slider	EM903980000	6070	1

Front Slider MIL Selection Table	DZ1	DZ2	DZ4
DZ1	✓		
DZ2		✓	✓
DZ4		✓	✓

External Accessories			
Description	Cat No	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
2. Rear Base Plate MIL #			
DZ4 Mounting Plate ~	EM904000000	4430	1
DZ6 Mounting Plate ~	EM903990000	5530	1
DZ4 Rear Base Plate ~	EM903540000	21900	1
DZ4/DZ6 Rear Base Plate ~	EM903530000	27400	1
DZ7 Rear Base Plate	EM991420000	54200	1

~ - 2 Nos of Mounting Plate and 1 No of Base Plate must be ordered together along with 2 Nos of MCCBs.

Rear Base Plate MIL Selection Table (DZ4 & DZ6)	Base Plate		Mounting Plate	
	EM90353	EM90354	EM90399	EM90400
DZ4-DZ4	X	1No.	X	2 Nos.
DZ4-DZ6	1No.	X	1No.	1No.
DZ6-DZ6	1No.	X	2 Nos.	X

Cable Base Plate MIL Selection Table		DZ1		DZ2		DZ4		DZ6	
		EM90404	EM90401	EM90404	EM90401	EM90405	EM90402	EM90406	EM90403
DZ1	EM90404	L	L						
	EM90401		M						
DZ2	EM90404			L	L	L	M	L	M
	EM90401				M	L	M	M	H
DZ4	EM90405					L	M	L	M
	EM90402						H	M	H
DZ6	EM90406							M	H
	EM90403								H

Common for 3P & 4P MCCBs

External Accessories			
Description	Cat No	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
3. Cable Base Plate MIL #			
a. Base Plate with Cable (for MCCBs without Rear Terminations)			
DZ1/DZ2 Cable Base Plate \$	EM904040000	7650	1
DZ4 Cable Base Plate \$	EM904050000	9200	1
DZ6 Cable Base Plate \$	EM904060000	12000	1
b. Base Plate with Cable (for MCCBs with Rear Terminations)			
DZ1/DZ2 Cable Base Plate RT \$	EM904010000	8430	1
DZ4 Cable Base Plate RT \$	EM904020000	10100	1
DZ6 Cable Base Plate RT \$	EM904030000	13200	1
c. Cable Types and Lengths - For DZ1/ DZ2/ DZ4/ DZ6 MCCBs (for both MCCBs with and without Rear Terminations)			
L Cable (1 m Length) \$	EM004710000	1990	1
L Cable (3 m Length) \$	EM004740000	3010	1
L Cable (5 m Length) \$	EM004770000	4160	1
M Cable (1 m Length) \$	EM004720000	1990	1
M Cable (3 m Length) \$	EM004750000	3010	1
M Cable (5 m Length) \$	EM004780000	4160	1
H Cable (1 m Length) \$	EM004730000	1990	1
H Cable (3 m Length) \$	EM004760000	3010	1
H Cable (5 m Length) \$	EM004790000	4160	1

\$ - 2 Nos of Base Plate & 1 No of suitable length of Cable must be ordered together along with 2 Nos of MCCBs.

d sine DN MCCB with Thermal - Magnetic Release

Rating (A)	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630
Icu=Ics (kA)*																	
25		DN0-100C								DN1-C							
36		DN0-100D/125D										DN3B					
36/50/70		DN2												DN3			



dsine TM

- › Conforms to IS/IEC 60947-2
- › 20A to 630A, 3P & 4P
- › 25kA, 36kA, 50kA & 70kA breaking capacities
- › Ics= 100% of Icu*
- › Adjustable overload settings: 0.8 - 1.0 x In
- › Adjustable short-circuit settings: 6 - 10 x In**
- › Manual & Rotary versions available
- › Wide range of accessories

Type	Thermal Release Range (A)	Breaking Capacity Icu at 415V AC, 50Hz. (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)
			Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	
DN0-100D*	16-20	36	CM9789300C20G	10500	CM9791900C20G	14600	1
	20-25		CM9789300D20G	10500	CM9791900D20G	14600	1
	25-32		CM9789300E20G	10500	CM9791900E20G	14600	1
	32-40		CM9789300F20G	10500	CM9791900F20G	14600	1
	40-50		CM9789300G20G	10500	CM9791900G20G	14600	1
	50-63		CM9789300H20G	10200	CM9791900H20G	14200	1
	63-80		CM9789300J20G	10200	CM9791900J20G	14200	1
	80-100		CM9789300K20G	10200	CM9791900K20G	14200	1
DN0-125D*	100-125		CM9068000LOOG	12600	CM9068100LOOG	16700	1
DN0-100C	16-20	25	CM9161200COOG	10800	CM9171200COOG	15100	1
	20-25		CM9161200DOOG	10800	CM9171200DOOG	15100	1
	25-32		CM9161200EOOG	10800	CM9171200EOOG	15100	1
	32-40		CM9161200FOOG	10800	CM9171200FOOG	15100	1
	40-50		CM9161200GOOG	10800	CM9171200GOOG	15100	1
	50-63		CM9161200HOOG	10500	CM9171200HOOG	14700	1
	63-80		CM9161200JOOG	10500	CM9171200JOOG	14700	1
	80-100		CM9161200KOOG	10500	CM9171200KOOG	14700	1
DN1-250C	100-125		CM9063800OLO	14500	CM9064200OLO	17700	1
	125-160		CM9063800OMO	18800	CM9064200OMO	22800	1
	160-200		CM9063800ONO	24000	CM9064200ONO	28700	1
	200-250		CM9063800OPO	28200	CM9064200OPO	32700	1

Note:

Breaking Capacity : C = 25kA, D = 36kA, N = 50kA, S = 70kA

* DN0-100D/125D : Ics= 50% Icu

** For DN0, DN1, DN3B-Short Circuit Setting: 9In

For DN1-250N (50kA) please contact nearest branch office

*** From 16A to 50A, Fixed Magnetic setting (375A)

dsine DN MCCB with Thermal - Magnetic Release

Type	Thermal Release Range (A)	Breaking Capacity Icu at 415V AC, 50Hz. (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)	
			Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit		
DN2-250D	100-125	36	CM9200800L10G	24600	CM9210800L10G	30500	1	
	125-160		CM9200800M10G	30500	CM9210800M10G	37600	1	
	160-200		CM9200900N10G	31600	CM9210900N10G	40400	1	
	200-250		CM9200900P10G	33100	CM9210900P10G	40900	1	
DN3B-400D	250-320		CM9840100Q00G	42400	CM9840300Q00G	51700	1	
	320-400		CM9840100R00G	42400	CM9840300R00G	51700	1	
DN3-400D	250-320		CM9400500Q10G	*	CM9410500Q10G	*	1	
	320-400		CM9400500R10G	*	CM9410500R10G	*	1	
DN3-630D	400-500		CM9400600S10G	56000	CM9410600S10G	70500	1	
	500-630		CM9400600T10G	56000	CM9410600T10G	70500	1	
DN2-250N	100-125		50	CM9200500L10G	34200	CM9210500L10G	41500	1
	125-160			CM9200500M10G	35100	CM9210500M10G	44200	1
	160-200	CM9200600N10G		35800	CM9210600N10G	44900	1	
	200-250	CM9200600P10G		36200	CM9210600P10G	45400	1	
DN3-400N	250-320	CM9400300Q10G		51200	CM9410300Q10G	63400	1	
	320-400	CM9400300R10G		51200	CM9410300R10G	63400	1	
DN3-630N	400-500	CM9400400S10G		62200	CM9410400S10G	80300	1	
	500-630	CM9400400T10G		62200	CM9410400T10G	80300	1	
DN2-250S	100-125	70##		CM9200200L10G	46700	CM9210200L10G	51500	1
	125-160			CM9200200M10G	49700	CM9210200M10G	55700	1
	160-200			CM9200300N10G	53000	CM9210300N10G	62800	1
	200-250			CM9200300P10G	54100	CM9210300P10G	65200	1
DN3-400S	250-320		CM9400100Q10G	63400	CM9410100Q10G	75000	1	
	320-400		CM9400100R10G	63400	CM9410100R10G	75000	1	
DN3-630S	400-500		CM9400200S10G	79200	CM9410200S10G	94200	1	
	500-630		CM9400200T10G	79200	CM9410200T10G	94200	1	

* Price on request

Available till stock lasts.

General Information

- › Use of phase barriers is mandatory. These are supplied along with MCCBs
- › **It is recommended to use spreader terminals for enhancing termination capacity**
- › Spreader terminals are available as accessories, unless otherwise specified against cat. nos.

Special Applications

- › dsine-DN/DU/DY MCCBs with TM release can be used for DC application (2P/3P/4P)
- › dsine-DN/DU MCCBs can be used for Capacitor back-up protection
- › For Motor back-up protection, use 'M' series of MCCBs
- › For isolator applications, use SD version (without protection release)

d sine DN MCCB with Microprocessor Release

Rating (A)	40	63	100	160	250	400	630	800	1000	1250	
Icu (kA)	DN2					DN3		DN4			
36/50/70/100	DN2					DN3		DN4			
50/70/100	DN2					DN3		DN4			

d sine DN MCCB with Microprocessor Release MTX1.0



dsine DN MTX1.0

- > Conforms to IS/IEC 60947-2
- > 40A to 1250A, 3P & 4P
- > 36kA, 50kA, 70kA and 100kA breaking capacities
- > Ics=100% Icu
- > Adjustable overload setting from 0.4 to 1.0 x In
- > Adjustable short-circuit setting from 1.5 to 8 x Ir
- > Inbuilt instantaneous Protection
- > Switchable thermal memory
- > Variable trip class
- > Front LED Indication
- > Manual & Rotary versions available
- > Wide range of accessories

Type	Release Range (A)	Breaking Capacity Icu at 415V AC, 50Hz. (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)
			Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	
DN2-250D	16-40	36	CM920630000X1	38500	CM921550000X1	48400	1
	25-63		CM920710000X1	38500	CM921540000X1	48400	1
	40-100		CM920510000X1	38500	CM921530000X1	48400	1
	63-160		CM920740000X1	48600	CM921520000X1	67600	1
	100-250		CM920540000X1	50600	CM921510000X1	70100	1
DN3-400D	160-400		CM930010000X1	62300	CM930030000X1	80600	1
DN3-630D	250-630		CM930050000X1	68800	CM930070000X1	91100	1
DN2-250N	16-40	50	CM920640000X1	43900	CM921600000X1	58100	1
	25-63		CM920720000X1	43900	CM921590000X1	58100	1
	40-100		CM920520000X1	43900	CM921580000X1	58100	1
	63-160		CM920750000X1	56900	CM921570000X1	74000	1
	100-250		CM920550000X1	60800	CM921560000X1	75600	1
DN3-400N	160-400		CM930020000X1	68100	CM930040000X1	88800	1
DN3-630N	250-630		CM930060000X1	74800	CM930080000X1	97500	1
DN4-1250N	320-800		CM960210000X1	98900	CM961110000X1	125700	1
	400-1000		CM960220000X1	146300	CM961120000X1	205900	1
	500-1250		CM960230000X1	182600	CM961130000X1	247000	1
DN2-250S	16-40	70##	CM920650000X1	46300	CM921650000X1	60300	1
	25-63		CM920730000X1	46300	CM921640000X1	60300	1
	40-100		CM920590000X1	46300	CM921630000X1	60300	1
	63-160		CM920760000X1	60500	CM921620000X1	75800	1
	100-250		CM920560000X1	65600	CM921610000X1	94000	1
DN3-400S	160-400		CM940530000X1	87900	CM941530000X1	116000	1
DN3-630S	250-630		CM940790000X1	93600	CM941790000X1	136300	1
DN4-1250S	320-800		CM960250000X1	106000	CM961150000X1	138900	1
	400-1000		CM960260000X1	152700	CM961160000X1	224800	1
	500-1250		CM960270000X1	197700	CM961170000X1	269000	1

Note:

Available till stock lasts.

dsine DN-V Version (Icu=Ics=100kA) MCCBs are available till stock lasts.

d sine DN MCCB with Microprocessor Release MTX2.0



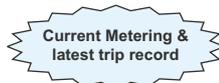
dsine DN MTX2.0

- › Conforms to IS/IEC 60947-2
- › 40A to 1250A, 3P & 4P
- › 36kA, 50kA, 70kA and 100kA breaking capacities
- › Ics=100% Icu
- › Adjustable overload setting from 0.4 to 1.0 x In
- › Adjustable short-circuit setting from 1.5 to 8 x Ir
- › Inbuilt instantaneous Protection
- › Inbuilt ground fault protection from 20%-50% of In
- › Adjustable neutral overload protection from 50% to 150% of Ir
- › Switchable thermal memory
- › Variable trip class
- › Front LED Indication
- › Panel mounted display for current metering & trip record
- › Manual & Rotary versions available
- › Wide range of accessories

Type	Release Range (A)	Breaking Capacity Icu at 415V AC, 50Hz. (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)
			Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	
DN2-250D	16-40	36	CM920630000AG	65900	CM921550000AG	75800	1
	25-63		CM920710000AG	65900	CM921540000AG	75800	1
	40-100		CM920510000AG	65900	CM921530000AG	75800	1
	63-160		CM920740000AG	71600	CM921520000AG	87900	1
	100-250		CM920540000AG	72500	CM921510000AG	89000	1
DN3-400D	160-400		CM930010000AG	85800	CM930030000AG	99400	1
DN3-630D	250-630		CM930050000AG	93900	CM930070000AG	113800	1
DN2-250N	16-40	50	CM920640000AG	71600	CM921600000AG	85400	1
	25-63		CM920720000AG	71600	CM921590000AG	85400	1
	40-100		CM920520000AG	71600	CM921580000AG	85400	1
	63-160		CM920750000AG	74600	CM921570000AG	90800	1
	100-250		CM920550000AG	75300	CM921560000AG	91500	1
DN3-400N	160-400		CM930020000AG	90100	CM930040000AG	107500	1
DN3-630N	250-630		CM930060000AG	99800	CM930080000AG	128600	1
DN4-1250N	320-800		CM960210000AG	135500	CM961110000AG	160800	1
	400-1000		CM960220000AG	174500	CM961120000AG	231200	1
	500-1250		CM960230000AG	218200	CM961130000AG	282400	1
DN2-250S	16-40	70##	CM920650000AG	75000	CM921650000AG	89300	1
	25-63		CM920730000AG	75000	CM921640000AG	89300	1
	40-100		CM920590000AG	75000	CM921630000AG	89300	1
	63-160		CM920760000AG	89100	CM921620000AG	99800	1
	100-250		CM920560000AG	98900	CM921610000AG	116400	1
DN3-400S	160-400		CM940530000AG	122000	CM941530000AG	152800	1
DN3-630S	250-630		CM940790000AG	132000	CM941790000AG	181500	1
DN4-1250S	320-800		CM960250000AG	156000	CM961150000AG	195000	1
	400-1000		CM960260000AG	217800	CM961160000AG	283600	1
	500-1250		CM960270000AG	268300	CM961170000AG	351900	1

Accessories for MTX2.0 [8538]

Modules for MTX2.0 release	Cat. No.	M.R.P. (₹) Per Unit
Current Metering Module (Display & Metering Module)##	CM956980000	47200
Cable (2m length)##	CM011960000	2050
Power Supply Module	CL907220000	*
UNCO Module for Status Indication & Control through communication	CL908520000	20100



Note:

* Price on request

Available till stock lasts.

dsine DN-V Version (Icu=Ics=100kA) MCCBs are available till stock lasts.

d sine DN MCCB with Microprocessor Release MTX3.0



dsine DN MTX3.0

- › Conforms to IS/IEC 60947-2 & IEC 60947-2
- › Range: 40A to 1250A, 3P & 4P
- › Choice of 36kA / 50kA / 70kA / 100kA breaking capacities
- › Ics = 100% Icu
- › Suitable for Isolation
- › Adjustable Over Load from 0.4 - 1.0 x In
- › Adjustable Short Circuit from 1.5 - 8 x Ir with selectable time delay
- › Instantaneous protection with fine settings
- › Inbuilt ground fault protection from 10% - 50% of In
- › Adjustable neutral overload protection available : 50% to 150% of Ir
- › Advanced Current, Voltage, Frequency & Power based protections
- › Other Protections like Maximum Demand, Phase Sequence, THD etc.
- › Comprehensive Current, Power, Energy, PF, MD, THD metering
- › Provision of Thermal Memory : ON/OFF
- › Variable trip class at 1.5 Ir, 6 Ir & 7.2 Ir
- › Front LED indication of Over Load, short circuit & earth fault
- › Panel mounted display available for advanced protections & metering
- › Communication capable release
- › Manual & Rotary versions available
- › For 3 phase 4 wire system, External neutral CTs available for 3P MCCBs
- › Wide Range of snap fit Internal and External Accessories

Type	Release Range (A)	Breaking Capacity Icu at 415V AC, 50Hz. (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)
			Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	
DN2-250D	16 - 40	36	CM920630000BG	*	CM921550000BG	*	1
	25 - 63		CM920710000BG		CM921540000BG		1
	40 - 100		CM920510000BG		CM921530000BG		1
	63 - 160		CM920740000BG		CM921520000BG		1
	100 - 250		CM920540000BG		CM921510000BG		1
DN3-400D	160 - 400		CM930010000BG		CM930030000BG		1
DN3-630D	250 - 630		CM930050000BG		CM930070000BG		1
DN2-250N	16 - 40	50	CM920640000BG	*	CM921600000BG	*	1
	25 - 63		CM920720000BG		CM921590000BG		1
	40 - 100		CM920520000BG		CM921580000BG		1
	63 - 160		CM920750000BG		CM921570000BG		1
	100 - 250		CM920550000BG		CM921560000BG		1
DN3-400N	160 - 400		CM930020000BG		CM930040000BG		1
DN3-630N	250 - 630		CM930060000BG		CM930080000BG		1
DN4-1250N	320 - 800		CM960210000BG		CM961110000BG		1
	400 - 1000		CM960220000BG		CM961120000BG		1
	500 - 1250		CM960230000BG		CM961130000BG		1
DN2-250S	16 - 40	70##	CM920650000BG	*	CM921650000BG	*	1
	25 - 63		CM920730000BG		CM921640000BG		1
	40 - 100		CM920590000BG		CM921630000BG		1
	63 - 160		CM920760000BG		CM921620000BG		1
	100 - 250		CM920560000BG		CM921610000BG		1
DN3-400S	160 - 400		CM940530000BG		CM941530000BG		1
DN3-630S	250 - 630		CM940790000BG		CM941790000BG		1
DN4-1250S	320 - 800		CM960250000BG		CM961150000BG		1
	400 - 1000		CM960260000BG		CM961160000BG		1
	500 - 1250		CM960270000BG		CM961170000BG		1

Accessories for MTX3.0 [8538]

Modules for MTX3.0 release	Cat. No.	M.R.P. (₹) Per Unit
Communication Module##	CM956800000	*
Voltage Module##	CM956850000	*
Display Module##	CM956760000	*
Power Supply Module	CL907220000	*
UNCO Module for Status Indication & Control through communication	CL908520000	20100

Note:

* Price on request

Available till stock lasts.

dsine DN-V Version (Icu=Ics=100kA) MCCBs are available till stock lasts.

d sine DN MCCBs for Motor back-up Protection##



- › Range: 32A to 630A, 50kA
- › Suitable for isolation
- › Wide Range of snap fit Internal and External Accessories

3 Pole					
Type	Current Rating (A)	Breaking Capacity Icu at 415V. AC, 50Hz. (kA)	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
DN0-100M	32	50	CM9894400EO	*	1
	40		CM9894400FO	*	1
	50		CM9894400GO	*	1
	63		CM9894400HO	*	1
	80		CM9894400JO	*	1
	100		CM9894400KO	*	1
DN1-160M	100		CM9034500KO	*	1
	125		CM9034500LO	*	1
	160		CM9034500MO	*	1
DN2-250M	200		CM9217100NOOG	*	1
	250		CM9217100POOG	*	1
DN3-400M	320		CM9451600QOOG	*	1
	400		CM9451600ROOG	*	1
DN3-630M	500		CM9451500SOOG	*	1
	630		CM9451500TOOG	*	1

* Price on request

Note:
 Please contact nearest branch office for fuseless type 2 co-ordination selection chart
 For lower HP Motors, Please select MMS. Details are given on page no.21
 dsine-DN M version MCCBs are available till stock lasts.
 ## Available till stock lasts.



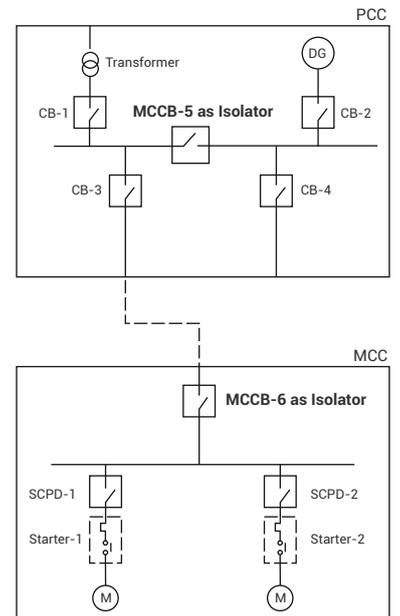
Representative Application Image

d sine DN Switch Disconnecter - SD (MCCBs without protection release)



- › Used as switching devices for isolation
- › Range: 32A to 1250A, 3P & 4P
- › Suitable for isolation
- › Wide Range of snap fit Internal and External Accessories

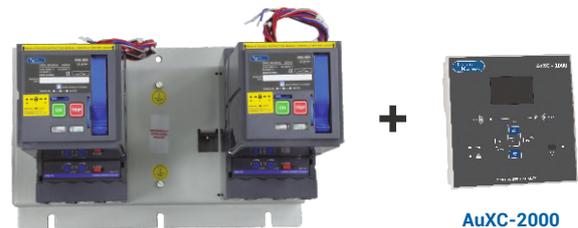
Type	Current Rating (A)	3 Pole		4 Pole		Std. Pkg. (Nos.)
		Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	
DN0-160SD	32	CM9071600EO	8670	CM9071700EO	11600	1
	63	CM9071600HO	8670	CM9071700HO	11600	1
	100	CM9071600KO	10300	CM9071700KO	13500	1
	125	CM9071600LO	11400	CM9071700LO	15100	1
	160	CM9071600MO	12300	CM9071700MO	16000	1
DN2-250SD	200	CM9681400NOOG	24600	CM9681500NOOG	32800	1
	250	CM9680200POOG	26500	CM9680300POOG	35100	1
DN3B-400SD	320	CM9841000QOOG	39200	CM9841200QOOG	50800	1
	400	CM9841000ROOG	39200	CM9841200ROOG	50800	1
DN3-630SD	500	CM9680600SOOG	44400	CM9680700SOOG	60600	1
	630	CM9680600TOOG	44400	CM9680700TOOG	60600	1
DN4-1250SD	800	CM9304100UO	88600	CM9304200UO	109200	1
	1000	CM9304100VO	117700	CM9304200VO	150700	1
	1250	CM9304100AO	156200	CM9304200AO	193600	1



Representative Application Image

Automatic Source Transfer System (ASTS)**

- › 128x80 pixel, backlit LCD screen with 4 grey levels
- › Advanced programmable I/O function
- › Management of automatic generator start/stop
- › Controls of UV, OV, phase loss, asymmetry, minimum frequency, maximum frequency, with independent enabling and time delay



AuXC-2000

Automatic Transfer Controllers (ATC) [9032]

Type	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
AuXC-2000 controller**	ATC20000000	39800	1

Can be used along with ACB, Motorised MCCBs, MCX contactors & Motorised Changeover switches

Note:

** For communication version of AuXC controller refer page no-6

2 d sine MCCBs + 2 SE-EOM + 2 ATAC + 1 MIL kit

For AuXC 2000/2100 programming videos and more details please scan the QR code or click here



Frame	Accessories	Total Set M.R.P. (₹)	Remarks
DN2	2 Nos : SEOMs with Aux + Trip Alarm Contact	*	Add MRPs of Similar 2 MCCBs of DN2 of desired no. of Poles, Breaking Cap. & Release to arrive at ASTS Solution.
DN3-400	+ 1 No. : MIL	*	Add MRPs of Similar 2 MCCBs of DN3 of desired no. of Poles, Breaking Cap. & Release to arrive at ASTS Solution.
DN3-630	+ 1 No. : AuXC2000	*	

* Price on request

Note:

Picture shown is for representation purpose only, MCCB + EOM + ATAC combination, MIL kit & AuXC-2000 to be purchased separately & assembled at site.

dsine-DN COMBO MCCBs are available till stock lasts.

For ASTS Solution in MCCB, please refer DZ range.

Accessories for DN MCCBs [8538]



Description	Internal		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Auxiliary Contact [8538]			
DN0, DN1 - 1 C/O - Right	CM978860000	1320	1
DN0, DN1 - 2 C/O - Right	CM978870000	2320	1
DN2, DN3B, DN3, DN4 - 1 C/O	CM998010000	1530	1
DN2, DN3B, DN3, DN4 - 2 C/O	CM998020000	2950	1
Trip Alarm Contact [8538]			
DN0, DN1 - 1 C/O - Right	CM978880000	1320	1
DN0, DN1 - 2 C/O - Right	CM978890000	2320	1
DN2, DN3B, DN3, DN4 - 1 C/O - Right	CM998030000	1600	1
Auxiliary 1 C/O + TAC 1 C/O [8538]			
DN0, DN1 - Right	CM978900000	2240	1
DN2, DN3B, DN3, DN4 - Right	CM998040000	2950	1
Shunt Release [8538]			
DN0, DN1 - 24V DC - Left	CM914020400	2600	1
DN0, DN1 - 110V AC - Left	CM978830A00	2600	1
DN0, DN1 - 240/415V AC - Left	CM978830M00	2600	1
DN2, DN3 - 110V DC - Left	CM998070000	4590	1
DN2, DN3B, DN3, DN4 - 110/240/415V AC, 220V DC	CM998050000	3830 [®]	1
DN2, DN3B, DN3 - 24V DC	CM989760400	3830 [®]	1
Under Voltage Release [8538]			
DN0, DN1 - 240V AC - Left	CM97892B000	4310	1
DN2, DN3B, DN3 - 240V AC - Left	CM99986B000	5330 ^{**}	1
DN4 - 240V AC - Left	CM999060000	6080 ^{**}	1

[®] - 'NO' of control contactor to be connected in series for DC control supply
^{**} Use these UV Cat. Nos. with Grey look MCCBs only

Description	External		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
External Neutral CT [8504]			
DN2 - 40A	CM999460000	2480	1
DN2 - 63A	CM999470000	2480	1
DN2 - 100A	CM999480000	2480	1
DN2 - 160A	CM999490000	3560	1
DN2 - 250A	CM999500000	3560	1
DN3 - 400A	CM999540000	7280	1
DN3 - 630A	CM999550000	7280	1
DN4 - 800A	CM998890000	11200	1
DN4 - 1000A	CM998900000	11600	1
DN4 - 1250A	CM998910000	12900	1
Adaptor kit for External Neutral CT [8538]			
DN2 - 250	CM999940000	1070	Set of 2
DN3 - 400	CM999950000	2070	Set of 2
DN3 - 630	CM999970000	2160	Set of 2
DN4 - 800	CM999960000	3730	Set of 2
DN4 - 1000	CM909660000	7890	Set of 4
DN4 - 1250	CM999980000	13500	Set of 2



Description	External		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Rotary Handle [8538]			
DN0 Direct ROM	CM978950000	1670	1
DN1 Direct ROM	CM980400000	1800	1
DN2 Direct ROM	CM998290000	1850	1
DN3B, DN3 Direct ROM	CM998600000	2770	1
DN0 Extended ROM	CM978960000	2170	1
DN1 Extended ROM	CM980410000	2310	1
DN2 Extended ROM	CM998300000	2790	1
DN3B, DN3 Extended ROM	CM998610000	4560	1
DN4 Extended ROM	CM998840000	5790	1
Panel door mounted Key lock for Extended ROM # [8301]			
Type 1	CM99958T0000	7710	1
Type 2	CM99958T000A	7710	1
Type 3	CM99958T000B	7710	1
Type 12	CM99958T000C	7710	1
Type 23	CM99958T000D	7710	1

- Can be used with dsine DN & DU new look extended ROM



Description	External		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Spreader Terminals [8538]			
DN0-100 - 3 Pole	CM977850000	530	Set of 6
DN0-125D - 3 Pole	CM9068700LO	680	Set of 6
DN1, DN2 - 250 - 3 Pole	ST980530000	2270	Set of 6
DN3B/DN3 - 400 - 3 Pole	ST980650000	4400	Set of 6
DN3-630 - 3 Pole	ST980540000	5090	Set of 6
DN4-800 - 3 Pole	CM9116100UO	10700	Set of 6
DN4-1000 - 3 Pole	CM9116100VO	12500	Set of 6
DN4-1250 - 3 Pole	CM9116100AO	42400	Set of 6
DN0-100 - 4 Pole	CM979210000	830	Set of 8
DN0-125D - 4 Pole	CM9068800LO	990	Set of 8
DN1, DN2 - 250 - 4 Pole	CM920070000	3010	Set of 8
DN3B/DN3-400 - 4 Pole	ST980660000	6310	Set of 8
DN3-630 - 4 Pole	CM920040000	6460	Set of 8
DN4-800 - 4 Pole	ST903620000	13700	Set of 8
DN4-1000 - 4 Pole	CM9006400VO	16500	Set of 8
DN4-1250 - 4 Pole	ST980580000	54200	Set of 8
Mechanical Interlock Kit - Base Plate [8538]			
DN2-250	CM997310000	8740	1
DN3-400	CM997320000	13400	1
DN3-630	CM998540000	14400	1
DIN rail kit [8538]			
DN0	CM909440000	200	1

Note:
Phase Barriers are supplied along with MCCBs

DU/DY MCCB Range [8536]

DU/DY with Thermal - Magnetic Release :

Rating (A)	16	20	25	32	40	50	63	80	100	125	160	200	250	320	400
Icu (kA)															
10	DY125U										DY250U1				
18	DU100D								DU125D						
25											DU250C				
30	DU100H								DU125H						
36											DU250				
50											DU400N				

DY125U MCCBs



- › Conforms to IS/IEC 60947-2, IEC 60947-2 & EN 60947-2
- › Range: 16A to 125A, 2P/3P/4P
- › Ics=100% of Icu
- › High Electrical & Mechanical life
- › Thermal Magnetic Release
- › No Load-Line Bias
- › ON-TRIP-OFF indication
- › Suitable for Isolation
- › Common SS Enclosure for 3P & 4P

Type	Current Rating (A)	Breaking Capacity Icu (kA)	2 Pole		Breaking Capacity Icu (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)
			Cat. No.	M.R.P. (₹) Per Unit		Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	
DY125U	16	AC : 25kA @ 240V AC, 50 Hz/60 Hz DC : 10kA @ 250V DC (2P in series)	EM9098200B0	2300	AC : 10kA @ 415V AC, 50 Hz/60 Hz DC : 10kA @ 250V DC (3P in series)	EM9098300B0	2700	EM9098400B0	3630	1
	20		EM9098200C0	2300		EM9098300C0	2700	EM9098400C0	3630	1
	25		EM9098200D0	2300		EM9098300D0	2700	EM9098400D0	3630	1
	32		EM9098200E0	2300		EM9098300E0	2700	EM9098400E0	3630	1
	40		EM9098200F0	2300		EM9098300F0	2700	EM9098400F0	3630	1
	50		EM9098200G0	2300		EM9098300G0	2700	EM9098400G0	3630	1
	63		EM9098200H0	2230		EM9098300H0	2620	EM9098400H0	3520	1
	80		EM9098200J0 ▲	2450		EM9098300J0 ▲	2950	EM9098400J0 ▲	4070	1
	100		EM9081200J0	2230		EM9081300J0	2620	EM9081400J0	3520	1
			EM9098200K0 ▲	2450		EM9098300K0 ▲	2950	EM9098400K0 ▲	4070	1
			EM9081200K0	2230		EM9081300K0	2620	EM9081400K0	3520	1
125	EM9098200L0 ▲	3430	EM9098300L0 ▲	4330	EM9098400L0 ▲	5310	1			

▲ - Spreader Terminals are included

Note: 2 Pole in 3 Pole frame size

Phase barriers are supplied with all MCCBs

Accessories for DY125U MCCBs [8538]



Auxiliary/Trip Alarm Contact



Shunt Release



Spreader Terminals



Direct ROM



Extended ROM

Description	Internal		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Auxiliary/Trip Alarm Contact			
1C/O	EM909660000	800	1
Shunt Release			
Short Rated 110/240/415V AC	EM905200M00	1080	1
Under Voltage Release			
240V AC	EM90518B000	3260	1

Description	External		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Spreader Terminals			
2 Pole (upto 100A)	CM977850002	350	Set of 4
3 Pole (upto 100A)	CM977850000	530	Set of 6
4 Pole (upto 100A)	CM979210000	830	Set of 8
Rotary Handle			
Direct ROM	EM909690000	1610	1
Extended ROM	EM909700000	2310	1
SS Enclosure			
Size I Enclosure for 3P & 4P	CM909960000	2750	1

DU MCCB Range [8536]

3 Pole / 4 Pole MCCBs DU100D/DU125D MCCBs



- › Conforms to IS/IEC 60947-2 & IEC 60947-2
- › Range: 20A to 125A, 3P & 4P
- › Ics=100% of Icu
- › Compact size
- › Common SS Enclosure for 3P & 4P
- › Wide Range of snap fit Internal and External Accessories
- › Adjustable Overload Setting: 0.8 - 1.0 x In

Type	Thermal Release Range (A)	Breaking Capacity Icu at 415V AC 50Hz. (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)
			Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	
DU100D	16-20	18	CM9051700CO	5720	CM9051800CO	7410	1
	20-25		CM9051700DO	5720	CM9051800DO	7410	1
	25-32		CM9051700EO	5720	CM9051800EO	7410	1
	32-40		CM9051700FO	5720	CM9051800FO	7410	1
	40-50		CM9051700GO	5720	CM9051800GO	7410	1
	50-63		CM9051700HO	5550	CM9051800HO	7190	1
	63-80		CM9051700JO	5550	CM9051800JO	7190	1
	80-100		CM9051700KO	5550	CM9051800KO	7190	1
DU125D	100-125		CM9067600LO	6730	CM9067700LO	8900	1

Note:
DIN rail kit available as an accessory. Please refer DU100D/DU125D accessories table.

2 Pole / 3 Pole / 4 Pole MCCBs DU100H/DU125H MCCBs



- › Conforms to IS/IEC 60947-2 & IEC 60947-2
- › Range: 20A to 125A, 2P, 3P & 4P
- › Compact size
- › Common SS Enclosure for 2P, 3P & 4P
- › Wide Range of snap fit Internal and External Accessories
- › Adjustable Overload Setting: 0.8 - 1.0 x In

Type	Thermal Release Range (A)	Breaking Capacity Icu (kA)	2 Pole		Breaking Capacity Icu at 415V AC 50Hz. (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)
			Cat. No.	M.R.P. (₹) Per Unit		Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	
DU100H	16-20	AC : 65kA @ 240V AC, 50Hz DC : 15kA @ 250V DC, (2P in Series) L/R < 15 msec.	CM978980OC2	4590	30	CM978940OC2	6420	CM979330OC2	8550	1
	20-25		CM978980OD2	4590		CM978940OD2	6420	CM979330OD2	8550	1
	25-32		CM978980OE2	4590		CM978940OE2	6420	CM979330OE2	8550	1
	32-40		CM978980OF2	4590		CM978940OF2	6420	CM979330OF2	8550	1
	40-50		CM978980OG2	4590		CM978940OG2	6420	CM979330OG2	8550	1
	50-63		CM978980OH2	4460		CM978940OH2	6230	CM979330OH2	8300	1
	63-80		CM978980OJ2	4460		CM978940OJ2	6230	CM979330OJ2	8300	1
	80-100		CM978980OK2	4460		CM978940OK2	6230	CM979330OK2	8300	1
DU125H	100-125		CM911980OLO	6930		CM906780OLO	7250	CM906790OLO	9480	1

Note: 2 Pole in 3 pole frame size

DIN rail kit available as an accessory. Please refer DU100H/DU125H accessories table.

Accessories for DU100D/DU125D/DU100H/DU125H MCCBs [8538]



Auxiliary Contact



ATAC



Shunt Release



UV Release



Spreader Terminals



Direct ROM



Extended ROM

Description	Internal		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Auxiliary Contact			
1 C/O - Right	CM978860000	1320	1
2 C/O - Right	CM978870000	2320	1
Trip Alarm Contact			
1 C/O - Right	CM978880000	1320	1
2 C/O - Right	CM978890000	2320	1
Auxiliary + Trip Alarm Contact			
1 C/O + 1C/O - Right	CM978900000	2240	1
Shunt Release			
24V DC - Left	CM914020400	2600	1
110V AC - Left	CM978830A00	2600	1
240/415V AC - Left	CM978830M00	2600	1
Under Voltage Release			
240V AC - Left	CM97892B000	4310	1

Description	External		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Spreader Terminals			
DU100H - 2 Pole	CM977850002	350	Set of 4
DU125H - 2 Pole	CM911990OLO	440	Set of 4
DU100D/DU100H - 3 Pole	CM977850000	530	Set of 6
DU125D/DU125H - 3 Pole	CM906870OLO	680	Set of 6
DU100D/DU100H - 4 Pole	CM979210000	830	Set of 8
DU125D/DU125H - 4 Pole	CM906880OLO	990	Set of 8
Rotary Handle			
DU100D/DU125D/ Direct ROM	CM978950000	1670	1
DU100H/DU125H Extended ROM	CM978960000	2170	1
DIN rail kit			
DU100D/DU125D/DU100H/DU125H	CM909440000	200	1
SS Enclosure			
Size I Enclosure	CM909960000	2750	1

Note: Phase Barriers are supplied along with all MCCBs

DU/DY MCCB Range [8536]

2 Pole / 3 Pole / 4 Pole MCCBs DY250U1/DU250C/DU250/DU400N MCCBs



- › Conforms to IS/IEC 60947-2 & IEC 60947-2
- › Range: 160A to 400A, 2P, 3P & 4P
- › Common SS Enclosure for 2P, 3P & 4P*
- › Compact size
- › Wide Range of snap fit Internal and External Accessories
- › Adjustable Overload Setting: 0.8 - 1.0 x In

Type	Thermal Release Range (A)	Breaking Capacity Icu (kA)	2 Pole		Breaking Capacity Icu (kA)	3 Pole		4 Pole		Std. Pkg. (Nos.)			
			Cat. No.	M.R.P. (₹) Per Unit		Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit				
DY250U1	125-160	-	-	-	10	CM9819500MO▲	8000	CM9819600MO▲	10800	1			
	160-200					CM9819500NO▲	9320	CM9819600NO▲	12100	1			
	200-250					CM9819500PO▲	12100	CM9819600PO▲	16300	1			
DU250C	125-160	-	-	-	25	CM9063100MO	9840	CM9063400MO	12500	1			
	160-200					CM9063100NO	11900	CM9063400NO	15100	1			
	200-250					CM9063100PO	13100	CM9063400PO	17300	1			
DU250	125-160	AC : 65kA @ 240V AC, 50Hz DC : 15kA for DU250 @250V DC & 25kA for DU400N @ 250V DC, (2P in Series) L/R < 15 msec.	-	-	36	CM9090500MO	8550	CM980620000	11400	CM9806500MO	14100	1	
	160-200					CM9090500NO	9890	CM980610000	14000	CM9806500NO	18900	1	
	200-250					CM9090500PO	11100	CM980600000	15700	CM9806500PO	20700	1	
DU400N	250-320		-	-	-	50	CM9088600QO	20000	CM9840200QO	23400	CM9840400QO	28700	1
	320-400						CM9088600RO	20000	CM9840200RO	23400	CM9840400RO	28700	1

▲ - Spreader Terminals are included

Note: 2 Pole in 3 Pole frame size * For DU250/DU250C

Accessories for DY250U1/DU250/DU250C MCCBs [8538]

Description	Internal		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Auxiliary Contact			
1 C/O - Right	CM978860000	1320	1
2 C/O - Right	CM978870000	2320	1
Trip Alarm Contact			
1 C/O - Right	CM978880000	1320	1
2 C/O - Right	CM978890000	2320	1
Auxiliary + Trip Alarm Contact			
1 C/O + 1C/O - Right	CM978900000	2240	1
Shunt Release			
24V DC - Left	CM914020400	2600	1
110V AC - Left	CM978830A00	2600	1
240/415V AC - Left	CM978830M00	2600	1
Under Voltage Release			
240V AC - Left	CM97892B000	4310	1

Description	External		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Spreader Terminals			
DU250 - 2 Pole	CM909600000	1780	Set of 4
DU250C/DU250 - 3 Pole	ST980530000	2270	Set of 6
DU250C/DU250 - 4 Pole	CM920070000	3010	Set of 8
Rotary Handle			
Direct ROM	CM980400000	1800	1
Extended ROM	CM980410000	2310	1
SS Enclosure			
Size II Enclosure	CM910030000	6310	1

Note: Phase Barriers are supplied along with all MCCBs

Accessories for DU400N MCCBs [8538]



Description	Internal		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Auxiliary Contact			
1 C/O	CM998010000	1530	1
2 C/O	CM998020000	2950	1
Trip Alarm Contact			
1 C/O - Right	CM998030000	1600	1
Auxiliary + Trip Alarm Contact			
1 C/O + 1C/O - Right	CM998040000	2950	1
Shunt Release			
110/240/415V AC, 220V DC	CM998050000	3830@	1
24V DC	CM989760400	3830@	1
Under Voltage Release			
240V AC - Left	CM99986B000	5330	1

Description	External		
	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Spreader Terminals			
2 Pole	CM909640000	2760	Set of 4
3 Pole	ST980650000	4400	Set of 6
4 Pole	ST980660000	6310	Set of 8
Rotary Handle			
Direct ROM	CM998600000	2770	1
Extended ROM	CM998610000	4560	1

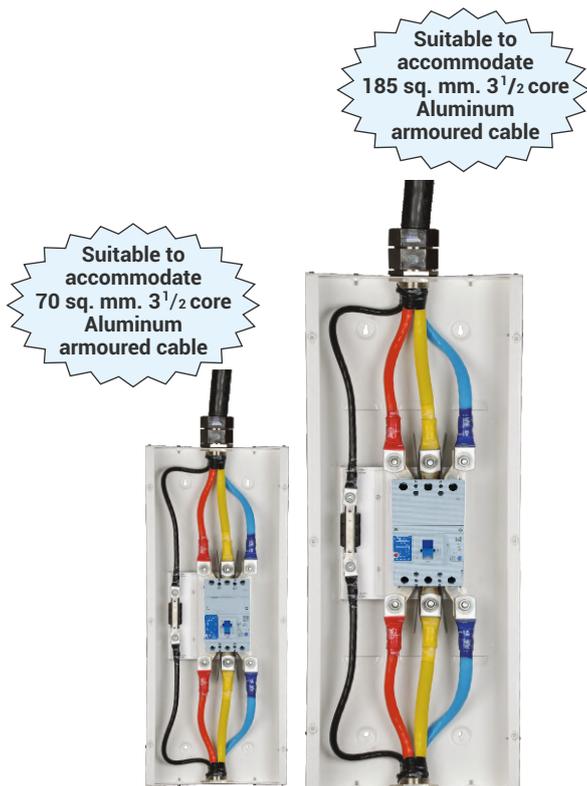
Note:

Phase Barriers are supplied along with all MCCBs

All internal accessories & ROMs are common for 2P MCCBs

@ - 'NO' of control contactor to be connected in series for DC control supply

SS Enclosure for MCCBs [8538]



Size I & Size II Enclosures

Note:
Pictorial is for representation purpose only.
Does not include cabling. MCCB to be purchased separately.

Perfect home for your MCCB

- › Superior Aesthetics
- › Common Enclosure for 3P and 4P MCCBs
- › Generous space for cable termination
- › In-built neutral Link for TPN system
- › IK08 and IP30 Protection
- › Mounting holes for easy wall mounting
- › Louvers for better heat dissipation
- › Effortless Installation
- › Size I suitable up to 125A MCCBs, 36kA
- › Size II suitable from 160A to 250A MCCBs, 50kA

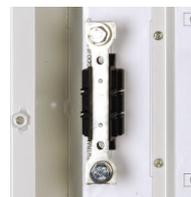
Separate cable gland box NOT required



Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Size I Enclosure for DU100H/DU125H/DU100D/DU125D/DN0/DY125U/DZ0	CM909960000	2750	1
Size II Enclosure for DY250U1/DU250C/DU250/DN1	CM910030000	6310	1



Easy wall Mounting



In-built Neutral Link



Better Heat Dissipation

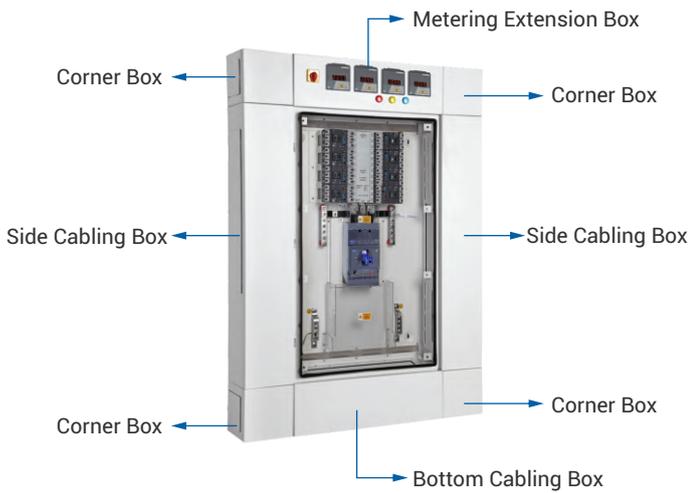
Ground Fault Module [8538]



- › Provides protection against ground fault
- › GF Module for ground fault protection can be used with all Thermal Magnetic MCCBs
- › Adjustable ground fault sensitivity selection: 10% - 50% of In
- › Adjustable time delay: 100ms / 200ms
- › Test facility to check healthiness of ground fault protection system without tripping MCCB
- › Suitable for 3 phase 3 wire & 3 phase 4 wire electrical distribution network with cable termination
- › LED for earth fault indication

Ground Fault Protection					
Type	Range (A)	Cat. No.	M.R.P. (₹) Per Unit	CT	Std. Pkg. (Nos.)
GF1	100 - 200A	ST277450000	13100	Built in CBCT	1
GF2	200 - 400A	ST277460000	20000	Built in CBCT	1
GF11	up to 800A	ST285940000	12100 #	External CT required	1

External CTs of 5P10 class with secondary rating of 1A or 5A



Range Highlights

- > Sub Main Distribution Board (SMDB) with MCCB as incomer and MCCBs as outgoing devices
- > Conforms to IEC 61439-2
- > DEKRA and ASTA certified
- > Rating up to 630 A
- > Short-time withstand current
 - » 250A & 400A SMDB - 36 kA 1s
 - » 630A SMDB - 50 kA 1s
- > Ingress protection - IP 43
- > Choice in number of outgoing ways - 4, 8, 12 and 16
- > Ready to use, off the shelf solution
- > Suitable for  range of MCCBs
- > Metering & cabling extensions are available as accessories

ENERSYS-S SMDB

Description	Cat. No.	No of ways		M.R.P. (₹) Per Unit	Height (H) (mm)	Width (W) (mm)	Depth (D) (mm)
		250A	100A				
SMDB - TN250D, O/G 100A 4 ways	DA20D1044CZZO	-	4	53760	637	670	208.5
SMDB - TN250D, O/G 100A 8 ways	DA20D1084CZZO	-	8	65385	787	670	208.5
SMDB - TN250D, O/G 100A 12 ways	DA20D1124CZZO	-	12	82245	937	670	208.5
SMDB - TN250D, O/G 100A 16 ways	DA20D1164CZZO	-	16	96655	1087	670	208.5
SMDB - TN400D, O/G 100A 4 ways	DA40D1044CZZO	-	4	60240	937	670	208.5
SMDB - TN400D, O/G 100A 8 ways	DA40D1084CZZO	-	8	68640	1087	670	208.5
SMDB - TN400D, O/G 100A 12 ways	DA40D1124CZZO	-	12	88255	1237	670	208.5
SMDB - TN400D, O/G 100A 16 ways	DA40D1164CZZO	-	16	104025	1387	670	208.5
SMDB - TN630D, O/G 100A 8 ways	DA60D1084CZZO	-	8	113810	1287	870	208.5
SMDB - TN630D, O/G 100A 12 ways	DA60D1124CZZO	-	12	153700	1507	870	208.5
SMDB - TN630D, O/G 100A 16 ways	DA60D1164CZZO	-	16	168475	1507	870	208.5
SMDB - TN630D, O/G 250A 4 ways	DA62D1044CZZO	4	-	110840	1067	870	208.5
SMDB - TN630D, O/G 250A 8 ways	DA62D1084CZZO	8	-	124140	1287	870	208.5
SMDB - TN630D, O/G 250A 12 ways	DA62D1124CZZO	12	-	159610	1507	870	208.5
SMDB - TN630D, O/G 250A 16 ways	DA62D1164CZZO	16	-	178825	1727	870	208.5
SMDB - TN630D, O/G COMBI 4 ways	DA6AD1044CZZO	2	2	108625	1067	870	208.5
SMDB - TN630D, O/G COMBI 8 ways	DA6AD1084CZZO	2	6	118230	1287	870	208.5
SMDB - TN630D, O/G COMBI 12 ways	DA6AD1124CZZO	2	10	156650	1507	870	208.5
SMDB - TN630D, O/G COMBI 16 ways	DA6AD1164CZZO	2	14	172905	1507	870	208.5

Incoming Device [8536]			
SMDB Type	Description	Cat. No.	M.R.P. (₹) Per Unit
TN250D*	DN1-250C 3 Pole MCCB - 160A	CM9063800MO	18800
	DN1-250C 3 Pole MCCB - 200A	CM9063800NO	24000
	DN1-250C 3 Pole MCCB - 250A	CM9063800PO	28200
TN400D	DN3-400D 3 Pole MCCB - 320A	CM9400500Q10G	#
	DN3-400D 3 Pole MCCB - 400A	CM9400500R10G	#
TN630D	DN3-630D 3 Pole MCCB - 500A	CM9400600S10G	56000
	DN3-630D 3 Pole MCCB - 630A	CM9400600T10G	56000

Note:

- > While ordering SMDB, incoming and outgoing MCCBs have to be ordered separately.
 - > Prices of MCCBs are not included in SMDB prices.
 - * TN250D - Suitable for DN1-250N, DU250 & DU250C MCCB as incomer.
- ## Price on Request.

Outgoing Device [8536]				
SMDB Type	Description	Cat. No.	M.R.P. (₹) Per Unit	
TN250D, TN400D & TN630D	DN0-100C 3 Pole MCCB - 20A	CM9161200COOG	10800	
	DN0-100C 3 Pole MCCB - 25A	CM9161200DOOG	10800	
	DN0-100C 3 Pole MCCB - 32A	CM9161200EOOG	10800	
	DN0-100C 3 Pole MCCB - 40A	CM9161200FOOG	10800	
	DN0-100C 3 Pole MCCB - 50A	CM9161200GOOG	10800	
	DN0-100C 3 Pole MCCB - 63A	CM9161200HOOG	10500	
	DN0-100C 3 Pole MCCB - 80A	CM9161200JOOG	10500	
	DN0-100C 3 Pole MCCB - 100A	CM9161200KOOG	10500	
	TN630D	DN1-250C 3 Pole MCCB - 160A	CM9063800MO	18800
		DN1-250C 3 Pole MCCB - 200A	CM9063800NO	24000
DN1-250C 3 Pole MCCB - 250A		CM9063800PO	28200	

DN0, DU100D & DU100H MCCBs are suitable as outgoing devices up to 100A
 DN1-250N, DU250 & DU250C MCCBs are suitable as outgoing devices up to 250A

Metering, Bottom Cabling & Corner Box

- › Provision of 3 nos of 1-phase ammeter (96*96), 1 nos of 1-phase voltmeter (96*96) with selector switch and indicating lamps.

SMDB Type	Description	Cat. No.	M.R.P. (₹) Per Unit
TN250D & TN400D	Metering Extension Box	CM9043900PO	8300
	Bottom Cabling Box	CM904370000	7780
TN630D	Metering Extension Box	CM9106400TO	8750
	Bottom Cabling Box	CM910620000	8230
TN250D, TN400D & TN630D	Corner Box	CM910890000	2890
	Mounting base	CM702600000	3900



Note:

- › Ammeter, voltmeter, selector switch and indicating lights have to be ordered separately.
- › Mounting base to be used without bottom cabling box.

Side Cabling Box

SMDB Type	No. of Ways		Left		Right	
	250A	100A	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit
TN250D	-	4	CM910850D00	7960	CM910860D00	7960
	-	8	CM910850F00	10280	CM910860F00	10280
	-	12	CM910850H00	12320	CM910860H00	12320
	-	16	CM910850K00	14380	CM910860K00	14380
TN400D	-	4	CM910870D00	12320	CM910880D00	12320
	-	8	CM910870F00	14380	CM910880F00	14380
	-	12	CM910870H00	15750	CM910880H00	15750
	-	16	CM910870K00	17800	CM910880K00	17800
TN630D	-	8	CM911200OFO	14920	CM911210OFO	14920
	-	12	CM911200OHO	17380	CM911210OHO	17380
	-	16				
	4	-	CM911200ODO	13370	CM911210ODO	13370
	8	-	CM911200OFO	14920	CM911210OFO	14920
	12	-	CM911200OHO	17380	CM911210OHO	17380
	16	-	CM911200OKO	18940	CM911210OKO	18940
	2	2	CM911200ODO	13370	CM911210ODO	13370
	2	6	CM911200OFO	14920	CM911210OFO	14920
	2	10	CM911200OHO	17380	CM911210OHO	17380
	2	14				



Introducing Lauritz Knudsen's

FIRST SERVE PROGRAM

Peace of Mind with Priority Service for our Air Circuit Breaker

Avail Exclusive Benefits Under "FIRST SERVE" Program
for Our Air Circuit Breakers in India



Benefits

- › **Priority Service:** Enjoy expedited service for our ACB.
- › **Expert Support:** Receive guidance and technical assistance from our team.
- › **Peace of Mind:** Rest assured knowing our ACB is in good hands.

Eligibility

- › ACB should be within the warranty period.

To learn more about the First Serve Program or to schedule our ACB's first service visit, please contact

Customer Connect Hub
at **+91-22-6932-7800**



TRUSTED PARTNER FOR SUSTAINABLE AND EMERGING SOLUTIONS



U-POWER
OMEGA
Air Circuit Breakers

DIGITAL READY SOLUTION TO ENHANCE ENERGY EFFICIENCY

Highest Safety with MTX Protection and Control Unit



Full Uptime with Dual Protection Set Group



Easy Maintenance with Tool Less Arc Chute Removal



Superior Performance With Double Short Circuit Protection



Remote Monitoring & Control with Digicom Module



Advanced Protection with ERMS (Energy Reduction Maintenance Settings)



In-built Industrial Communication Protocol
(MODBUS TCP/IP - ETHERNET/MODBUS RS485/PROFIBUS)





- › Complete range conforms to IS/IEC 60947-2 & IEC 60947-2
- › Current Rating from **400A to 6300A** in **3 Frame sizes** for application voltages **upto 690V AC**
- › Special ACB range available for Voltage Applications **upto 800V AC and 1000V AC#**
- › Available in 3 Pole/4 Pole, Manually & Electrically operated, Fixed/Draw-out version
- › Common Height & Depth across the range
- › High short time fault withstand capacity, $I_{cu} = I_{cs} = I_{cw}$ for 1 sec for total selectivity
- › High mechanical and electrical operating life
- › Neutral pole is 100% rated, option of 50% & 200% rated neutral also available
- › Available in standard NRYB & RYBN/NBYR/BYRN configurations in 4 Pole ACBs **with on-site change facility**
- › In-built Electrical & Mechanical Anti-Pumping
- › Modular & snap-fit accessories
- › Ease of on-site conversion from Fixed to Draw-out version
- › Pollution Degree 4 suitability
- › Best in Class Overlap with Bus bars
- › Break Time of 25msec
- › RoHS Compliant

Matrix Protection & Control Units:

- › Available in versions - MTX1.0/1G/1Gi/1.5G/1.5Gi, MTX3.5/3.5EC/3.5H & MTX 3.5T/MTX 3.5ET
- › Unique O-LED display for metering
- › Unique withdrawable Communication & Power metering modules
- › Dual protection curve settings & Password protection
- › Soft-rating plug for precise protection at lower load currents
- › Provision for on-load self-diagnosis of Releases & modules
- › Data communication on Modbus RTU, Modbus TCP/IP (ETHERNET), Profibus & wireless Zigbee protocols
- › Power & Harmonics measurement
- › Temperature rise monitoring & protection
- › Easy to integrate with HMI & PLC
- › Add-on modules for advance protections
- › Protection Releases conform to EMI/EMC standard



UW-MTX1G/1Gi



UW-MTX1.5G/1.5Gi



UW-MTX3.5/3.5EC/3.5H



New Integrated MODBUS TCP/IP (ETHERNET) Communicable ACB

Breaking Capacities Offered:

at 415V/440V AC (Please refer Catalogue for Breaking Capacities above 440V AC)

		I _{cu} = I _{cs} = I _{cw} for 1 sec									
Rated current		800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A	6300A
Frame-1	N : 50kA										
	S : 65kA										
	H : 80kA										
		UW1-08	UW1-10	UW1-12	UW1-16	UW1-20	UW1-25				
Frame-2	N : 50kA										
	S : 65kA										
	H : 80kA										
		UW2-08	UW2-10	UW2-12	UW2-16	UW2-20	UW2-25	UW2-32	UW2-40		
Frame-3	H : 80kA										
	V : 100kA										
		UW3-08	UW3-10	UW3-12	UW3-16	UW3-20	UW3-25	UW3-32	UW3-40	UW3-50	UW3-63

Note: 400A & 630A ACBs are also available on request. # Please contact the nearest branch office for more details of 1000V AC ACBs

OMEGA ACB ordering information:

UW 1 08 N X D 1 2 9 0 0# UW1 800N 3P ED 1.5G BotV

Frame Size	
Frame - I	1
Frame - II	2
Frame - III	3

Current Ratings	
400A	04
630A	06
800A	08
1000A	10
1250A	12
1600A	16
2000A	20
2500A ⁽⁴⁾	25
3200A	32
4000A	40
5000A	50
6300A	63

Type	
Manually Operated	1
Electrically Operated	2

Version	
Draw-out	D
Fixed	F
Cradle/Fixed Part ⁽⁷⁾	C
Breaker/Moving Part	B

Selection for Termination (For Drawout ACBs Only)	
Standard Termination	0
For Top Horizontal (Long), Bottom Vertical for Fr2 & Fr3	X
For Top & Bottom Horizontal (Long) for Fr3	Y
Note: X is applicable for 4000A (Fr2 & Fr3) and 5000A (Fr3). Y is applicable for 4000A (Fr3) & 5000A (Fr3). X & Y recommended for Buscoupler only.	
For 800V AC Application	ZM
For 1000V AC Application	ZH

Temperature Rise Monitoring ⁽³⁾	
Not Required	0
Required	1

Selection for P&C Units	
B/C (w/o protection)	0
UW - MTX1.0	7
UW - MTX1G	8
UW - MTX1Gi	B
UW - MTX1.5G	9
UW - MTX1.5Gi	C
UW-MTX3.5	3
UW-MTX3.5EC ⁽⁵⁾	4
UW-MTX4.5	5
UW-MTX3.5H	6
New UW-MTX3.5T ⁽⁸⁾	D
New UW-MTX3.5ET ⁽⁸⁾	E
New UW-MTX4.5T ⁽⁸⁾	F
New UW-MTX3.5A ⁽⁶⁾	K

Selection for Breaking Capacity (Icu=Ics) ⁽¹⁾	
50kA (Fr-I upto 2000A & Fr-II upto 4000A)	N
65kA (Fr-I & Fr-II)	S
80kA (Fr-I, Fr-II & Fr-III)	H
100kA (Fr-III)	V

Selection for control voltage ⁽²⁾	
For Manually Operated	0
240V AC/DC ECD & CR + 240V AC/DC SR	1
240V AC/DC ECD & CR + 24V DC SR	2
110V AC/DC ECD & CR + 110V AC/DC SR	3
240V AC/DC ECD & CR + 110V AC/DC SR	4

Selection for No. of Poles	
3 Pole	X
4 Pole 100% N	F
4 Pole 50% N (in Fr-III only)	H
4 Pole 200% N (upto 2500A)	D

Please Note:

- (1) For Icu values please refer technical specification
- (2) Other options of control voltage are available as accessory
- (3) Temperature monitoring & protection is available only for Drawout type ACBs with MTX3.5 Series & above releases
- (4) For Fr-1, 2500A selection, please contact the nearest branch office
- (5) For system requiring 690V metering, kindly order separate Power Metering module with MTX3.5.
- (6) For MTX3.5A technical specifications please get in touch with the local sales team
- (7) For Cradle Cat Number last 5 digits shall be "00000" of any combination
- (8) MODBUS TCP/IP (Ethernet) ready ACB as an Integrated Release Offering

U-POWER
Air Circuit Breakers

OMEGA ACBs are offered with following standard features

Draw-out Version:	OMEGA ACBs with UW-MTX release will have inbuilt- Current Metering (MTX 1.5G/1.5Gi/3.5 Series/4.5 Series), Common Fault Indication microswitch, 4NO+4NC Aux. contacts, Smart-racking shutter, Safety shutter assembly, Racking Handle, Door sealing frame, Pad-locking arrangement for ON/OFF button, Rating Error Preventer, Arc shield. A) For ratings upto 1600A, one side vertical terminal adaptors (Bottom) for Frame 1, 2 & 3. B) For ratings 2000A & above, both side vertical terminal adaptors (Top & Bottom) for Frames 1, 2 & 3. C) For rating 4000A and above operation counter inbuilt for Frames 2 & 3 both.
Fixed Version:	OMEGA ACBs with UW-MTX release will have inbuilt- Current Metering (MTX 1.5G/1.5Gi/3.5 Series/4.5 Series), Common Fault Indication microswitch, 4NO+4NC Aux. contacts, Door sealing frame & Pad-locking arrangement for ON/OFF push button. A) For ratings upto 1600A, one side vertical terminal adaptors (Bottom) for Frames 1, 2 & 3. B) For ratings 2000A & above, both side vertical terminal adaptors (Top & Bottom) for Frames 1, 2 & 3. C) For ratings 4000A & above, operation counter inbuilt for Frames 2 & 3 both.

Please contact the nearest branch office for more details of 800V & 1000V AC ACBs

ACBs upto 690V AC with UW-MTX1G (LSING - BCD Switches) and UW-MTX1.5G (LSING + Current Metering - BCD Switches) [8536]



Current Rating	Version	Breaking Capacity @ 415V AC	3 Pole Manual Draw-out ACB				4 Pole Manual Draw-out ACB			
			UW-MTX1G		UW-MTX1.5G		UW-MTX1G		UW-MTX1.5G	
			Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit
800A	MDO	50kA	UW108NXD01800	236100	UW108NXD01900	253000	UW108NFD01800	294800	UW108NFD01900	311700
1000A			UW110NXD01800	244000	UW110NXD01900	260900	UW110NFD01800	313600	UW110NFD01900	330500
1250A			UW112NXD01800	262300	UW112NXD01900	279200	UW112NFD01800	339100	UW112NFD01900	356000
1600A			UW116NXD01800	304600	UW116NXD01900	321500	UW116NFD01800	379900	UW116NFD01900	396800
2000A			UW120NXD01800	362800	UW120NXD01900	379700	UW120NFD01800	454500	UW120NFD01900	471400
2500A			UW225NXD01800	463700	UW225NXD01900	480600	UW225NFD01800	557500	UW225NFD01900	574400
3200A			UW232NXD01800	554200	UW232NXD01900	571100	UW232NFD01800	680500	UW232NFD01900	697400
4000A			UW240NXD01800	638600	UW240NXD01900	655500	UW240NFD01800	776900	UW240NFD01900	793800

Current Rating	Version	Breaking Capacity @ 415V AC	3 Pole Manual Fixed ACB				4 Pole Manual Fixed ACB			
			UW-MTX1G		UW-MTX1.5G		UW-MTX1G		UW-MTX1.5G	
			Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit
800A	MF	50kA	UW108NXF01800	181600	UW108NXF01900	198500	UW108NFF01800	226800	UW108NFF01900	243700
1000A			UW110NXF01800	187700	UW110NXF01900	204600	UW110NFF01800	241200	UW110NFF01900	258100
1250A			UW112NXF01800	201800	UW112NXF01900	218700	UW112NFF01800	260800	UW112NFF01900	277700
1600A			UW116NXF01800	234300	UW116NXF01900	251200	UW116NFF01800	292200	UW116NFF01900	309100
2000A			UW120NXF01800	279100	UW120NXF01900	296000	UW120NFF01800	349600	UW120NFF01900	366500
2500A			UW225NXF01800	356700	UW225NXF01900	373600	UW225NFF01800	428800	UW225NFF01900	445700
3200A			UW232NXF01800	426300	UW232NXF01900	443200	UW232NFF01800	523500	UW232NFF01900	540400
4000A			UW240NXF01800	491200	UW240NXF01900	508100	UW240NFF01800	597600	UW240NFF01900	614500

M.R.P. changes for product customization	M.R.P. (₹) Per Unit
MDO to EDO or MF to EF Conversion kit (ECD + CR + SR)	69600
Buscoupler (without protection release)	
UW-MTX1.0 (LSI - BCD Switches)	
UW-MTX1Gi (LSING + Inbuilt ZSI - BCD Switches)	
UW-MTX1.5Gi (LSING + Current Metering + Inbuilt ZSI - BCD Switches)	
UW-MTX3.5 (LSING + Current Metering) + can be upgraded for Power Metering & Communication	
UW-MTX3.5EC (LSING + Power Metering + Communication)	
UW-MTX3.5H (LSING + Power Metering + Harmonic Metering)	*
UW-MTX4.5 (LSING + Power Metering + Harmonic Metering + Communication with Touch Screen navigation + PS Module)	
PS (Auxiliary power supply module for display in No-load or OFF condition)**\$	
COM Module (MODBUS) for communication\$	
PM Module for power metering\$	
New UW-MTX3.5T (LSING + Current Metering + MODBUS TCP/IP (ETHERNET) Communication) + can be upgraded for Power Metering#	
New UW-MTX3.5ET (LSING + Power Metering + MODBUS TCP/IP (ETHERNET) Communication)#	

* Available on request

** Applicable only for MTX 1Gi, MTX 1.5Gi & MTX 3.5 Series

Integrated Release along with ACB - available as Factory-fitted option only

\$ Chapter ID [8538]

3 Pole ACBs upto 690V AC with UW-MTX1G (LSING - BCD Switches) [8536]



Current Rating	Version	3 Pole Manual Draw-out ACB with UW-MTX1G						
		S (65kA @ 415V AC)		H (80kA @ 415V AC)		V (100kA @ 415V AC)		
		Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	
800A	MDO	UW108SXD01800	*	UW108HXD01800	*	UW308VXD01800	*	
1000A		UW110SXD01800		UW110HXD01800		UW310VXD01800		
1250A		UW112SXD01800		UW112HXD01800		UW312VXD01800		
1600A		UW116SXD01800		UW116HXD01800		UW316VXD01800		
2000A		UW120SXD01800		UW120HXD01800		UW320VXD01800		
2500A		UW225SXD01800		UW225HXD01800		UW325VXD01800		
3200A		UW232SXD01800		UW232HXD01800		UW332VXD01800		
4000A		UW240SXD01800		UW240HXD01800		UW340VXD01800		
4000A		-		-		UW340HXD01800		UW340VXD01800
5000A		-		-		UW350HXD01800		UW350VXD01800
6300A	-	-	UW363HXD01800	UW363VXD01800				

3 Pole Manual Fixed ACB with UW-MTX1G								
Current Rating	Version	S (65kA @ 415V AC)		H (80kA @ 415V AC)		V (100kA @ 415V AC)		
		Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	
800A	MF	UW108SXF01800	*	UW108HXF01800	*	UW308VXF01800	*	
1000A		UW110SXF01800		UW110HXF01800		UW310VXF01800		
1250A		UW112SXF01800		UW112HXF01800		UW312VXF01800		
1600A		UW116SXF01800		UW116HXF01800		UW316VXF01800		
2000A		UW120SXF01800		UW120HXF01800		UW320VXF01800		
2500A		UW225SXF01800		UW225HXF01800		UW325VXF01800		
3200A		UW232SXF01800		UW232HXF01800		UW332VXF01800		
4000A		UW240SXF01800		UW240HXF01800		UW340VXF01800		
4000A		-		-		UW340HXF01800		UW340VXF01800
5000A		-		-		UW350HXF01800		UW350VXF01800
6300A	-	-	UW363HXF01800	UW363VXF01800				

M.R.P. changes for product customization	M.R.P. (₹) Per Unit
MDO to EDO or MF to EF Conversion kit (ECD + CR + SR)	69600
Buscoupler (without protection release)	*
UW-MTX1.0 (LSI - BCD Switches)	
UW-MTX1Gi (LSING + Inbuilt ZSI - BCD Switches)	
UW-MTX1.5G (LSING + Current Metering - BCD Switches)	
UW-MTX1.5Gi (LSING + Current Metering + Inbuilt ZSI - BCD Switches)	
UW-MTX3.5 (LSING + Current Metering) + can be upgraded for Power Metering & Communication	
UW-MTX3.5EC (LSING + Power Metering + Communication)	
UW-MTX3.5H (LSING + Power Metering + Harmonic Metering)	
UW-MTX4.5 (LSING + Power Metering + Harmonic Metering + Communication with Touch Screen navigation + PS Module)	
PS (Auxiliary power supply module for display in No-load or OFF condition)**\$	
COM Module (MODBUS) for communication\$	
PM Module for power metering\$	
UW-MTX3.5T (LSING + Current Metering + MODBUS TCP/IP (ETHERNET) Communication) + can be upgraded for Power Metering#	
UW-MTX3.5ET (LSING + Power Metering + MODBUS TCP/IP (ETHERNET) Communication)#	

* Available on request

** Applicable only for MTX 1Gi, MTX 1.5Gi & MTX 3.5 Series

Integrated Release along with ACB - available as Factory-fitted option only

\$ Chapter ID [8538]

4 Pole ACBs upto 690V AC with UW-MTX1G (LSING - BCD Switches) [8536]



Current Rating	Version	4 Pole Manual Draw-out ACB with UW-MTX1G						
		S (65kA @ 415V AC)		H (80kA @ 415V AC)		V (100kA @ 415V AC)		
		Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	
800A	MDO	UW108SFD01800	*	UW108HFD01800	*	UW308VFD01800	*	
1000A		UW110SFD01800		UW110HFD01800		UW310VFD01800		
1250A		UW112SFD01800		UW112HFD01800		UW312VFD01800		
1600A		UW116SFD01800		UW116HFD01800		UW316VFD01800		
2000A		UW120SFD01800		UW120HFD01800		UW320VFD01800		
2500A		UW225SFD01800		UW225HFD01800		UW325VFD01800		
3200A		UW232SFD01800		UW232HFD01800		UW332VFD01800		
4000A		UW240SFD01800		UW240HFD01800		UW340VFD01800		
4000A		-		-		UW340HFD01800		UW340VFD01800
5000A		-		-		UW350HFD01800		UW350VFD01800
6300A	-	-	UW363HFD01800	UW363VFD01800				

4 Pole Manual Fixed ACB with UW-MTX1G								
800A	MF	UW108SFF01800	*	UW108HFF01800	*	UW308VFF01800	*	
1000A		UW110SFF01800		UW110HFF01800		UW310VFF01800		
1250A		UW112SFF01800		UW112HFF01800		UW312VFF01800		
1600A		UW116SFF01800		UW116HFF01800		UW316VFF01800		
2000A		UW120SFF01800		UW120HFF01800		UW320VFF01800		
2500A		UW225SFF01800		UW225HFF01800		UW325VFF01800		
3200A		UW232SFF01800		UW232HFF01800		UW332VFF01800		
4000A		UW240SFF01800		UW240HFF01800		UW340VFF01800		
4000A		-		-		UW340HFF01800		UW340VFF01800
5000A		-		-		UW350HFF01800		UW350VFF01800
6300A	-	-	UW363HFF01800	UW363VFF01800				

* Available on request

Accessories of OMEGA Air Circuit Breakers [8538]

Terminal Adaptor configuration upto 690V AC



Draw-out ACBs Terminal Adaptors



Fixed ACBs Terminal Adaptors

Description	Cat. No.	M.R.P. (₹) Per Unit
Terminal Adaptor for Draw-out Omega ACBs		
Frame-1 400-1000A N/S/H (Vertical / Horizontal)	CL604380000	*
Frame-1 1250-2000A N/S/H (Vertical / Horizontal)	CL609630000	
Frame-1 2500A S/H (Vertical)	CL609640000	
Frame-2 400-3200A N/S/H (Vertical / Horizontal)		
Frame-2 4000A N/S/H (Vertical)	CL604200000	
Frame-2 4000A N/S/H (Horizontal)	CL603160000	
Frame-3 400-4000A H/V (Vertical)#	CL601280000	
Frame-3 400-4000A H/V (Horizontal-Long)	CL600730000	
Frame-3 5000A H/V (Horizontal-Long)	CL609660000	
Frame-3 5000A H/V (Vertical)#	CL600670000	
Frame-3 6300A H/V (Vertical)#	CL609650000	

: Please consider 4 terminal adaptors per phase.

Description	Cat. No.	M.R.P. (₹) Per Unit
Terminal Adaptor for Fixed Omega ACBs		
Frame-1 400-2000A N/S (Vertical / Horizontal)	CL609670000	*
Frame-1 400-2000A H (Vertical / Horizontal)	CL609680000	
Frame-1 2500A S/H (Vertical)	CL609760000	
Frame-2 400-2500A N/S (Vertical / Horizontal)	CL601220000	
Frame-2 400-3200A H, 3200A N/S (Vertical / Horizontal)	CL609770000	
Frame-2 4000A S/H (Vertical)	CL604170000	
Frame-3 400-4000A H/V (Vertical)#	CL604180000	
Frame-3 5000A H/V (Vertical)#	CL603470000	
Frame-3 400-5000A H/V (Horizontal-Long)	CL603730000	

: Please consider 4 terminal adaptors per phase.

800V AC ACBs with UW-MTX1G (LSING - BCD Switches) [8536]

Breaking Capacity @ 800V AC (Icu=Ics=Icw for 1s)



800V AC Manual Fixed/Draw-out ACB with UW-MTX1G										
Current Rating	Frame	Breaking Capacity @ 800V AC	3P				4P			
			Fixed		Draw-out		Fixed		Draw-out	
			Cat. No.	M.R.P. (₹) Per Unit						
800A	1	50kA	UW108NXF0180ZM	*	UW108NXD0180ZM	*	UW108NFF0180ZM	*	UW108NFD0180ZM	*
1000A			UW110NXF0180ZM		UW110NXD0180ZM		UW110NFF0180ZM		UW110NFD0180ZM	
1250A			UW112NXF0180ZM		UW112NXD0180ZM		UW112NFF0180ZM		UW112NFD0180ZM	
1600A			UW116NXF0180ZM		UW116NXD0180ZM		UW116NFF0180ZM		UW116NFD0180ZM	
2000A			UW120NXF0180ZM		UW120NXD0180ZM		UW120NFF0180ZM		UW120NFD0180ZM	
2000A	2	50kA	UW220NXF0180ZM	*	UW220NXD0180ZM	*	UW220NFF0180ZM	*	UW220NFD0180ZM	*
2500A			UW225NXF0180ZM		UW225NXD0180ZM		UW225NFF0180ZM		UW225NFD0180ZM	
3200A			UW232NXF0180ZM		UW232NXD0180ZM		UW232NFF0180ZM		UW232NFD0180ZM	
4000A			-		UW240NXD0180ZM		-		UW240NFD0180ZM	
3200A	3	50kA	UW332NXF0180ZM	*	UW332NXD0180ZM	*	UW332NFF0180ZM	*	UW332NFD0180ZM	*
4000A			UW340NXF0180ZM		UW340NXD0180ZM		UW340NFF0180ZM		UW340NFD0180ZM	
5000A			UW350NXF0180ZM		UW350NXD0180ZM		UW350NFF0180ZM		UW350NFD0180ZM	
3200A	3	65kA	UW332SXF0180ZM	*	UW332SXD0180ZM	*	UW332SFF0180ZM	*	UW332SFD0180ZM	*
4000A			UW340SXF0180ZM		UW340SXD0180ZM		UW340SFF0180ZM		UW340SFD0180ZM	
5000A			UW350SXF0180ZM		UW350SXD0180ZM		UW350SFF0180ZM		UW350SFD0180ZM	

Note: 1. Above mentioned Cat. No. of ACBs are without Terminal Adaptors. Please consider Terminal Adaptors from below table.

2. Phase-Barrier is mandatory to be used with 800V AC ACBs:

- (a) For Draw-out ACBs, Phase-Barrier are provided as standard supply along with ACBs
- (b) For Fixed ACBs, kindly consider Phase-Barrier from below table

M.R.P. changes for product customization	M.R.P. (₹) Per Unit
Buscoupler (without protection release)	*
UW-MTX1.0 (LSI - BCD switch for selection)	
UW-MTX1G (LSING - BCD switch for selection)	
UW-MTX1.5G (LSING + display - BCD switch for selection)	
UW-MTX3.5 (LSING + Display + Option for other features)	
UW-TM - Temperature Rise Module (for MTX3.5)	
MDO to EDO or MF to EF Conversion kit (ECD + CR + SR)	
COM Module (MODBUS) for communication	
PS (Auxiliary power supply module for display in No-load or OFF condition)**	

** Applicable only for MTX 1Gi, MTX 1.5Gi & MTX 3.5 Series

Terminal Adaptors for 800V ACBs [8538]

Current Rating	Frame	Fixed			Draw-out		
		Cat. No.	M.R.P. (₹) Per Unit	Qty (3P/4P)	Cat. No.	M.R.P. (₹) Per Unit	Qty (3P/4P)
630A	1	CL609670000	*	(6/8)	CL609630000	*	(6/8)
800A		CL609670000		(6/8)	CL609630000		(6/8)
1000A		CL609670000		(6/8)	CL609630000		(6/8)
1250A		CL609670000		(6/8)	CL609630000		(6/8)
1600A		CL609670000		(6/8)	CL609630000		(6/8)
2000A	CL601220000	(6/8)	CL609640000	(6/8)			
2000A	CL609770000	(6/8)	CL609640000	(6/8)			
2500A	CL603180000	(6/8)	CL609640000	(6/8)			
3200A	CL604170000	(6/8)	CL604190000	(6/8)			
4000A	-	-	CL604200000	(6/8)			
3200A	3	CL604180000	*	(12/16)	CL601280000	*	(12/16)
4000A		CL604180000		(12/16)	CL600670000		(12/16)
5000A		CL603470000		(12/16)	CL609650000		(12/16)



Phase-Barrier for 800V AC Fixed ACBs [8538]

Cat. No.	Type	Pole	M.R.P. (₹) Per Unit	Qty. per ACB
CL912580000	Fixed	3P		2
CL912590000	Fixed	4P	*	2

* Available on request

Accessories of OMEGA Air Circuit Breakers

Air Circuit Breakers



Operation Counter



Door Interlock



Closing Release



Shunt Release



UV Release

Description	Cat. No.	M.R.P. (₹) Per Unit
Other Accessories [8538]		
Operation Counter	CL909830000#	
Door Interlock	CL909780000	*
Electrical Position Indication (EPI)	CL958260000	
Microswitches for Indication [8536]		
Microswitch for Common Fault Indication (CFI)	CL909490000	
Microswitch for Ready To Close Indication (RTC)	CL909530000^	
Microswitch for Shunt Release	CL909510000	*
Microswitch for Undervoltage Release	CL909470000	
Microswitch for Spring Charging Indication	ST426720000	

Operation Counter inbuilt for rating 4000A to 6300A

^ Cradle SIC block CL958250000 needs to be ordered separately, If EPI not installed in same ACB



R-Lock



C-Lock

Description	Cat. No.	M.R.P. (₹) Per Unit
Mechanical Interlock using Key & Lock[§]		
R - Lock Type - 1	CL006590000	
R - Lock Type - 2	CL006600000	
R - Lock Type - 3	CL006610000	
R - Lock Type - 12	CL006620000	
R - Lock Type - 23	CL006630000	
Locking arrangement for OFF button with R - Lock (on breaker)	CL908150000	
Locking arrangement for ISO position with R - Lock (on Cradle)	CL908650000	
Locking arrangement for ANY position with R - Lock (on Cradle)	CL909270000	*
C - Lock Type - S	CL006640000	
C - Lock Type - T	CL006650000	
C - Lock Type - ST	CL006660000	
C - Lock Type - SS	CL006670000	
C - Lock Type - TT	CL006680000	
Locking arrangement for OFF button with C - Lock (on breaker)	CL908140000	
Locking arrangement for ISO position for C - Lock (on Cradle)	CL909820000	
Locking arrangement for ANY position with C - Lock (on Cradle)	CL909810000	

Note: For Mechanical Interlock using Key & Lock please order combination of Lock and Locking arrangement.

* Available on request § Only locks [8301] Locking arrangement [8538]

Description	Cat. No.	M.R.P. (₹) Per Unit
Electrical Charging Device (ECD) [8501]		
24-30V DC	CL903620000	
48/60V DC	CL903630000	
110V AC / 110-125V DC	CL903600000	*
220V AC / 200V DC	CL903640000	
240V AC / 250V DC	CL903590000	
415V AC / 400V DC	CL903610000	
Closing Release (CR) [8538]		
24-30V DC	CL908174000	
48/60V DC	CL908175000	
110V AC / 110V DC	CL90817A000	*
125/127V DC	CL908171000	
220 - 240V AC / 220 - 250V DC	CL90817B000	
415V AC	CL90817D000	
Shunt Release (SR) [8538]		
24-30V DC	CL908160400	
48/60V DC	CL908160500	
110V AC / 110V DC	CL908160A00	*
125/127V DC	CL908160100	
220 - 240V AC / 220 - 250V DC	CL908160B00	
415V AC	CL908160D00	
Under Voltage Release (UVR) with time delay (0-1-3-5 sec) [8538]		
24-30V DC	CL908184000	
48V DC	CL908185000	
110V AC / 110V DC	CL90818A000	*
240V AC / 220V DC	CL90818B000	
415V AC	CL90818D000	



Neutral CT

Description	Cat. No.	M.R.P. (₹) Per Unit
External Neutral CT for UW-MTX Releases [8504]		
Frame-1, 2 & 3 400-800A	CL007170000	
Frame-1, 2 & 3 1000-1600A	CL007180000	
Frame-1 2000-2500A	CL007190000	*
Frame-2 & 3 2000-4000A	CL007200000	
Frame-3 5000-6300A	CL007210000	

Automatic Transfer Controllers (ATC) [9032]



AuXC-2000 Controller

Type	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
AuXC-2000 controller**	ATC20000000	39800	1

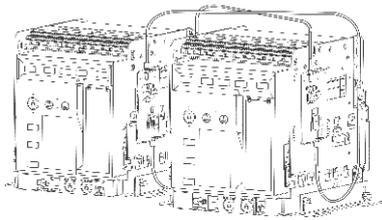
Can be used along with ACB, Motorised MCCBs, MCX contactors & Motorised Changeover switches

** Note: For communication version of AuXC controller refer page no-6



For AuXC 2000/2100 programming videos and more details please scan the QR code or click here

U-POWER
Accessories of OMEGA Air Circuit Breakers
 Air Circuit Breakers



MODBUS Module



Power Metering Module

Mechanical Interlock using Bowden Cable [8538]

Description	Cat. No.	M.R.P. (₹) Per Unit
Mechanical Interlock using Bowden Cable (5 meters length)		
Between 2 Incomers	CL906630000	*
Between 3 Incomers	CL906640000	
Between 2 Incomers & 1 Standby	CL906650000	
Between 2 Incomers & 1 Buscoupler	CL906660000	
Mechanical Interlock using Bowden Cable (3 meters length)		
Between 2 Incomers	CL906590000	*
Between 3 Incomers	CL906600000	
Between 2 Incomers & 1 Standby	CL906610000	
Between 2 Incomers & 1 Buscoupler	CL906620000	
Mechanical Interlock using Bowden Cable (2 meters length)		
Between 2 Incomers	CL908100000	*
Between 3 Incomers	CL908110000	
Between 2 Incomers & 1 Standby	CL908120000	
Between 2 Incomers & 1 Buscoupler	CL908130000	

Note: Common from 400A to 6300A and can be interlocked between Fixed / Draw-out / Mixed version

* Available on request

Description	Cat. No.	M.R.P. (₹) Per Unit
MATRIX Releases & Modules [8538]		
UW-MTX1.0	CL919660000	*
UW-MTX1G	CL919710000	
UW-MTX1Gi	CL905620000	
UW-MTX1.5G	CL919650000	
UW-MTX1.5Gi	CL905520000	
UW-MTX3.5	CL906450000	
UW-MTX3.5EC	CL906440000	
UW-MTX3.5H	CL906460000	
UW-MTX4.5	*	
New UW-MTX3.5T	#	
New UW-MTX3.5ET	#	
New UW-MTX4.5T	#	
New UW-MTX3.5A	*	
Power supply module with 2 Ports	CL907220000	
New 1A Power supply module	CL918950000	
New DigiCom Module	CL918960000	
Relay Module	CL907160000	
MODBUS Module	CL907090000	
Profibus Module	CL902950000	
Matrix Smart Card Module	CL907050000	
Power Metering Module (415V)	CL906490000	
Power Metering Module (690V)	CL906850000	
ZSI Module	CL907180000	
TCS Module	CL907190000	
EL Module	CL907200000	
REF Module	CL907210000	
Simulation Kit	CL907240000	

For Energy Management Communication Software Please contact the nearest branch office
 # Integrated Release along with ACB - available as Factory-fitted option only

Upgrade to the new-age OMEGA ACB
 with Minimal Modifications



*Pre-Engineered Retrofit Solution
 Upgrade CNCS ACB to OMEGA ACB*

Presenting the pre-engineered CNCS to OMEGA Retrofit kit

CNCS to OMEGA Retrofit kit is a pre-engineered solution which allows you to upgrade from the old CNCS ACB to the advanced OMEGA ACB - with minimal modification. All installations are done by trained Engineers from the nearest Authorised Service Centre to ensure total reliability and minimum shut-down time.

Specifications

- › ETP grade Copper links with Silver Plating
- › CNCS to OMEGA Retrofit solution is available from 800A to 3200A



For more details please scan the QR code or click here

For retrofitting of any ACB to Omega ACB please contact the nearest branch office

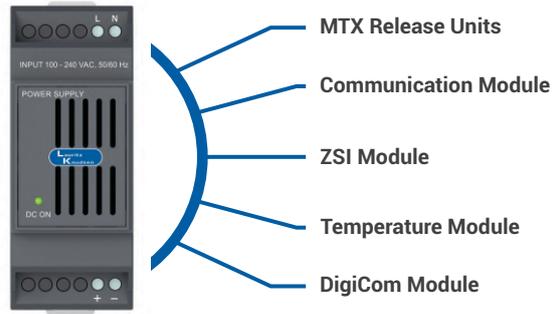
Customer Interaction Center (CIC)

Phone no: 022-6932 7800

Web: www.LK-EA.com | e-mail: CIC@LK-EA.com

New Power Supply Module (230V AC - 24V DC 1A)

- > 100-265V AC Input Voltage
- > Regulated 24V DC Output Voltage
- > Suitability of up to 1 Amp Loading
- > Compact (2M) and Modular Design
- > Suitable for DIN Rail & Base mounting



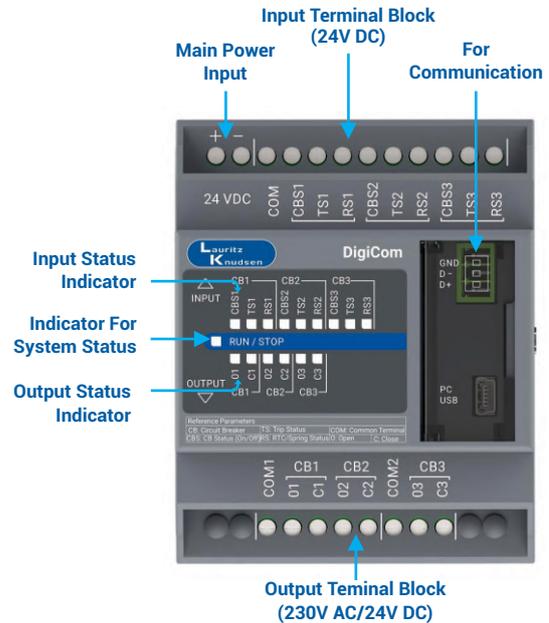
PS Module Details	Function	Module Compatibility	M.R.P. (₹) Per Unit
PS Module (CAT Code: CL918950000)	Suitable for providing regulated 24V DC Power Supply	All MTX Release Units for Powering ON, MODBUS Module, ZSI Module, Temperature Module, UN-CO Module & DigiCom Module	8630
UW-PS Module (CAT Code: CL907220000)	Suitable for providing regulated 24V DC Power Supply and Internal Communication Bus	All MTX Release Units and MTX Modules	23500

New DigiCom Module

Status Monitoring & Control of up to 3 Circuit Breakers

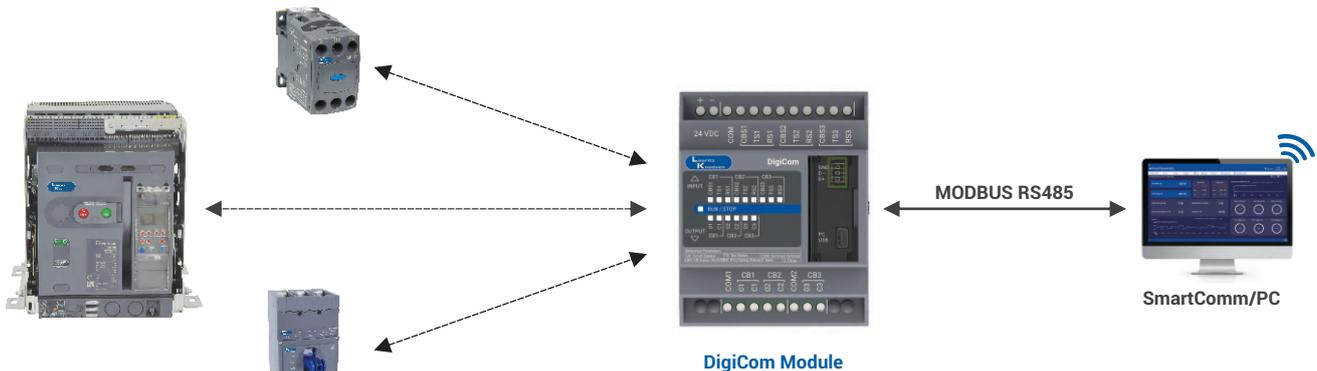
- > 3 Digital Inputs for 3 Circuit Breakers - 9 Digital Inputs
- > 2 Relay Outputs for 3 Circuit Breakers – 6 Relay Outputs
- > 24V DC Input Voltage
- > Status Monitoring & Control of up to 3 Circuit Breakers through communication over MODBUS RTU protocol with RS 485 port.
- > For optimal performance, CFI and RTC micro switches should be selected along with the ACB.

Input Status Indicator	CB1	CBS1	ON/OFF Indication for Circuit Breaker 1
		TS1	Trip status Indication for Circuit Breaker 1
		RS1	Ready spring/Ready to Close Status Indication for Circuit Breaker 1
	CB2	CBS2	ON/OFF Indication for Circuit Breaker 2
		TS2	Trip status Indication for Circuit Breaker 2
		RS2	Ready spring/Ready to Close Status Indication for Circuit Breaker 2
CB3	CBS3	ON/OFF Indication for Circuit Breaker 3	
	TS3	Trip status Indication for Circuit Breaker 3	
	RS3	Ready spring/Ready to Close Status Indication for Circuit Breaker 3	
Output Status Indicator	CB1	O1	Open Circuit Breaker 1
		C1	Close Circuit Breaker 1
	CB2	O2	Open Circuit Breaker 2
		C2	Close Circuit Breaker 2
	CB3	O3	Open Circuit Breaker 3
		C3	Close Circuit Breaker 3



DigiCom Module Details	M.R.P. (₹) Per Unit
DigiCom Module (CAT Code: CL918960000)	25600

Connection Architecture of DigiCom



C-POWER S1 Range of Air Circuit Breakers

- › Conforms to IS/IEC 60947-2 & IEC 60947-2
- › Current rating from 400A to 3200A
- › Available in 50kA & 60kA breaking capacity
- › Available in 3 Pole/4 Pole, Manually & Electrically operated, Fixed & Draw-out versions
- › High short time withstand capacity, $I_{cu} = I_{cs} = I_{cw}$ for 1 sec for total selectivity
- › High mechanical and electrical operating life
- › 100% rated neutral pole
- › Common height and depth across the range
- › Protection through Thermal - Magnetic (DN1) & Microprocessor releases (SR18G, SR18G+D & SR18Gi+D)
- › Self diagnostic Microprocessor based Releases with on-load testing through TEST button
- › Inbuilt thermal memory
- › Protection Releases conform to EMI/EMC standards
- › Breaker Status and Control through MODBUS protocol



C-POWER S1 ACB

C-POWER C Range of Air Circuit Breakers

- › Conforms to IS/IEC 60947-2 & IEC 60947-2
- › Current rating from 800A to 6300A
- › Available in 50,55,60 & 95kA breaking capacity
- › Available in 3 Pole/4 Pole, Manually & Electrically operated, Fixed & Draw-out versions
- › High short time fault withstanding capacity, $I_{cu} = I_{cs} = I_{cw}$ for 1 sec for total selectivity
- › High mechanical and electrical operating life
- › 100% rated neutral pole
- › Protection through Thermal - Magnetic (DN1) & Microprocessor releases (SR18G, SR18G+D, SR18Gi+D)
- › Self diagnostic Microprocessor based Releases with on-load testing through TEST button
- › Inbuilt thermal memory
- › Protection Releases conform to EMI/EMC standards
- › Data communication & Power Management
- › Breaker Status and Control through MODBUS protocol



C-POWER C ACB

C-POWER HE ACBs for Harsh Environment

- › Designed to operate at peak efficiency in Sulphur-rich Harsh corrosive environments
- › Range 1250A to 5000A, 415/690V ac
- › Available in 3 Pole/4 Pole, Manually & Electrically operated, Fixed and Draw-out versions
- › Protection through Microprocessor release
- › Operates reliably in 3C4 environmental conditions containing SO₂ and H₂S

Please contact the nearest branch office for Details & product Selection



C-POWER HE Range

Breaking Capacities Offered:

		I _{cu} = I _{cs} = I _{cw} for 1 sec										
		630A	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A	6300A
CN-CS : E / G		50kA	50kA	50kA	50kA	50kA	50kA					
	Frame-1											
CN-CS : S1		50kA	50kA	50kA	50kA	50kA	50kA	60kA	60kA			
	Frame-1							Frame-2				
CN-CS : C			50kA	50kA	50kA	50kA	55kA	60kA			95kA	95kA
CN-CS : H			65kA	65kA	65kA	65kA	75kA	75kA				
CN-CS : H2									75kA	75kA		
CN-CS : H / H1									100kA	100kA		
CN-CS : HE					50kA		60kA		75kA		95kA	
	Frame-1				Frame-2		Frame-3		Frame-4			

For technical & dimension details please refer product catalogue. 400A ACB also available on request.

C-POWER Air Circuit Breakers [8536]



C-POWER S1 3 & 4 Pole Draw-out ACBs

Rating	Breaking Capacity Icu=Ics=Icw (1 sec)	Version	Microprocessor Based SR18G				Thermal-Magnetic DN1			
			3 Pole		4 Pole		3 Pole		4 Pole	
			Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit
630A	50kA	MDO	SL96041	252200	SL96061	316400	SL95331	248600	SL95351	312800
		EDO	SL96051	313900	SL96071	378100	SL95341	310300	SL95361	374500
800A	50kA	MDO	SL96042	252200	SL96062	316400	SL95332	248600	SL95352	312800
		EDO	SL96052	313900	SL96072	378100	SL95342	310300	SL95362	374500
1000A	50kA	MDO	SL96043	262200	SL96063	331400	SL95333	258600	SL95353	327800
		EDO	SL96053	323900	SL96073	393100	SL95343	320300	SL95363	389500
1250A	50kA	MDO	SL96044	289300	SL96064	364900	SL95334	285700	SL95354	361300
		EDO	SL96054	351000	SL96074	426600	SL95344	347400	SL95364	423000
1600A	50kA	MDO	SL96045	329800	SL96065	405700	SL95335	326200	SL95355	402100
		EDO	SL96055	391500	SL96075	467400	SL95345	387900	SL95365	463800
2000A	50kA	MDO	SL96046	387400	SL96066	475900	SL95336	383800	SL95356	472300
		EDO	SL96056	449100	SL96076	537600	SL95346	445500	SL95366	534000
2500A	60kA	MDO	SL96047	478900	SL96067	577200	SL95337	475300	SL95357	573600
		EDO	SL96057	540600	SL96077	638900	SL95347	537000	SL95367	635300

Note : Add a Suffix "0000" for all the above mentioned cat. nos.

C-POWER S1 3 & 4 Pole Fixed ACBs

Rating	Breaking Capacity Icu=Ics=Icw (1 sec)	Version	Microprocessor Based SR18G				Thermal-Magnetic DN1			
			3 Pole		4 Pole		3 Pole		4 Pole	
			Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit
630A	50kA	MF	SL95561	145000	SL95581	184900	SL95481	141400	SL95501	181300
		EF	SL95571	206700	SL95591	246600	SL95491	203100	SL95511	243000
800A	50kA	MF	SL95562	145000	SL95582	184900	SL95482	141400	SL95502	181300
		EF	SL95572	206700	SL95592	246600	SL95492	203100	SL95512	243000
1000A	50kA	MF	SL95563	158400	SL95583	199900	SL95483	154800	SL95503	196300
		EF	SL95573	220100	SL95593	261600	SL95493	216500	SL95513	258000
1250A	50kA	MF	SL95564	182500	SL95584	228100	SL95484	178900	SL95504	224500
		EF	SL95574	244200	SL95594	289800	SL95494	240600	SL95514	286200
1600A	50kA	MF	SL95565	202300	SL95585	260200	SL95485	198700	SL95505	256600
		EF	SL95575	264000	SL95595	321900	SL95495	260400	SL95515	318300

Note Add a Suffix "0000" for all the above mentioned cat. nos.

M.R.P. changes for product customization w.r.t. SR18G ACB M.R.P.

	M.R.P. (₹) Per Unit
Bus - Coupler (w/o protection)	Reduce 9500
Microprocessor based SR18G+D (LSING + Current Metering)	Add 18500
Microprocessor based SR18Gi+D (LSING + Current metering + ZSI)	Add 24600

C-POWER S1 Draw-Out ACBs will have inbuilt - 2NO+2NC Aux contact for MDO & 6NO+6NC Aux contact for EDO breakers, Safety shutter assembly, Racking handle, Door sealing frame, Push-button cover & Rating error preventor.

Electrical version includes 240V AC Shunt trip coil, Closing coil and Motor for electrical charging.

C-POWER S1 Fixed ACBs will have inbuilt - 2NO+2NC Aux contact for MF & 6NO+6NC Aux contact for EF breakers, Door sealing frame & Push-button cover.

Electrical version includes 240V AC Shunt trip coil, Closing coil and Motor for electrical charging.

Note: 1 NO Aux contact in manual version & 2NO+2NC in electrical version breakers will be pre-wired with accessories mounted in breaker.

In electrically operated breaker with DN1 release, either earth fault or undervoltage protection can be used.

CN-CS-E Range 3 Pole Manual Fixed

Rating	Breaking Capacity Icu=Ics=Icw (1 sec)	Version	Thermal-Magnetic Release Type DN1	
			Cat. No.	M.R.P. (₹) Per Unit
400A	50kA	3P MF	SL957210000	94300
630A	50kA	3P MF	SL957220000	95200
800A	50kA	3P MF	SL957230000	100800
1000A	50kA	3P MF	SL957240000	103300
1250A	50kA	3P MF	SL957250000	135400
1600A	50kA	3P MF	SL957260000	142600
2000A	50kA	3P MF	SL932970000	163700

C-POWER Air Circuit Breakers [8536]



C-POWER 3 & 4 Pole Draw-out ACBs

Rating	Breaking Capacity I _{cu} =I _{cs} =I _{cw} (1 sec)	Version	Type	Microprocessor Based SR18G				Thermal-Magnetic DN1			
				3 Pole		4 Pole		3 Pole		4 Pole	
				Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit
800A	65kA	MDO	H	SL95311	439000	#	568700	#	435400	#	565100
		EDO	H	SL95321	500700	#	630400	#	497100	#	626800
1000A	65kA	MDO	H	SL95312	447000	#	604500	#	443400	#	600900
		EDO	H	SL95322	508700	#	666200	#	505100	#	662600
1250A	65kA	MDO	H	SL95313	488800	#	648300	#	485200	#	644700
		EDO	H	SL95323	550500	#	710000	#	546900	#	706400
1600A	65kA	MDO	H	SL95314	550100	#	713600	#	546500	#	710000
		EDO	H	SL95324	611800	#	775300	#	608200	#	771700
2000A	75kA	MDO	H	SL95315	608000	#	729600	#	604400	#	726000
		EDO	H	SL95325	669700	#	791300	#	666100	#	787700
2500A	75kA	MDO	H	SL95316	632900	#	770400	#	629300	#	766800
		EDO	H	SL95326	694600	#	832100	#	691000	#	828500
3200A	75kA	MDO	H2	SL94822	666900	SL94826	818500	#	663300	#	814900
		EDO	H2	SL94824	728600	SL94828	880200	#	725000	#	876600
4000A	75kA	MDO	H2	SL94823	757900	SL94827	947100	#	754300	#	943500
		EDO	H2	SL94825	819600	SL94829	1008800	#	816000	#	1005200
5000A	95kA	MDO/EDO	C	#	*	#	*	#	*	#	*
6300A	95kA	MDO/EDO	C	#	*	#	*	#	*	#	*

Note: For higher breaking capacities & 690V AC application please contact the nearest branch office
Add a Suffix "0000" for all the above mentioned cat. nos.

C-POWER 3 & 4 Pole Manual Fixed ACBs

Rating	Breaking Capacity I _{cu} =I _{cs} =I _{cw} (1 sec)	Version	Type	Microprocessor Based SR18G				Thermal-Magnetic DN1			
				3 Pole		4 Pole		3 Pole		4 Pole	
				Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit
800A	50kA	MF	C	*				*			
1000A	50kA										
1250A	50kA										
1600A	50kA			SL97635	302300	#	392100	SL93005	298700	#	388500
2000A	55kA			SL97636	333100	#	449000	SL93006	329500	#	445400
2500A	60kA										

Note: For higher breaking capacities & 690V AC application please contact the nearest branch office
Add a Suffix "0000" for all the above mentioned cat. nos.

M.R.P. changes for product customization w.r.t. SR18G M.R.P.		M.R.P. (₹) Per Unit
Bus-Coupler (w/o protection)	Reduce	9500
Microprocessor based SR18G+D (LSING + Current Metering)	Add	18500
Microprocessor based SR18Gi+D (LSING + Current metering + ZSI)	Add	24600

C-POWER Draw-Out ACBs will have inbuilt - 6NO+6NC Aux contact, Safety shutter assembly, Racking handle, Door sealing frame, Push-button cover & Rating Error preventor. Option of horizontal & vertical termination upto 4000A also available. Operation counter for 4000A & above.
EDO version includes 240V AC Shunt trip coil, Closing coil and Motor for electrical charging.

C-POWER Fixed ACBs will have inbuilt - 6NO+6NC Aux contact, Door sealing frame & Push-button cover. Operation counter for 4000A & above.

Note: 1 NO Aux contact in manual version & 2NO+2NC in electrical version breakers will be pre-wired with accessories mounted in breaker.

In electrically operated breaker with DN1 release, either earth fault or undervoltage protection can be used.

Note: Electrical Fixed type breakers are available on request.

Available on "Made to order" basis. * Available on request

Accessories (Common for C-POWER Family)



LTPB



LIP



Shunt Release



UV Release

Description	Cat. No.	M.R.P. (₹) Per Unit
Lockable Trip Push Button (LTPB) [8301]		
Type AA	SL93148000A	7150
Type BB	SL93148000B	7150
Type CC	SL93148000C	7150
Type DD	SL93148000D	7150
Lockable Trip Push Button kit (3 I/C & 2 B/C)	SL919360000	35800
Locking of ACB in Isolated position (LIP) [8301]		
Type A	SL93146000A	7150
Type B	SL93146000B	7150
Type C	SL93146000C	7150
Type D	SL93146000D	7150
Locking of ACB in Any position (LAP) [8301]		
Type A	SL93147000A	7150
Type B	SL93147000B	7150
Type C	SL93147000C	7150
Type D	SL93147000D	7150
Racking Interlock [8301]		
Type AA	SL93149000A	9860
Type BB	SL93149000B	9860
Type CC	SL93149000C	9860
Type DD	SL93149000D	9860
Padlock [8301]		
Racking Padlock Assembly	CL900250000	3330
Other Accessories [8538]		
Door Interlock	SL931500000	5240
Mechanical Operation Counter*	XM808370000	5190
Mounting Kit for Front Mounted Counter	SL958820000	1840
Spring Charge Indication Microswitch	SL960000000	4150

* For mounting the Operation counter, mounting kit "SL958820000" needs to be ordered separately. Operation Counter inbuilt for rating 4000A to 6300A.



Vertical Terminal Adaptor

Description & Rating	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Vertical Terminal Adaptors for Draw out C-POWER ACB [8538]			
400-1250 S1/800-1000 C	SL932810000	8910	1
1600-2000 S1/1250-1600 C/800-1600 H	SL932820000	10800	1
2000 C	SL932840000	16000	1
2000 H/2500 C/H	SL932850000	16700	1
2500 S1	SL932890000	16700	1
3200 S1	SL932860000	20600	1
3200H2/H1, 4000H2/H	SL932880000	49800	1

Description	Cat. No.	M.R.P. (₹) Per Unit
Shunt Release (SR) [8538]		
Type EA : 24/48V DC	SL927180400	4600
Type EA : 110V DC	SL927180100	4600
Type EA : 220V DC	SL927180200	4600
Type EA1 : 110V AC	SL927180A00	4600
Type EA1 : 240V AC	SL927180B00	4600
Type EA1 : 415V AC	SL927180D00	4600
Under Voltage Release (UVR) [8538]		
Type MV : 24V DC	ST368770000	8060
Type MV : 240V AC	SL92720B000	8060
Type MV : 415V AC	SL92720D000	8060
Earth Fault Release (for DN1) [8538]		
Type EF1 (10%, 20% In)	SL913400000	7130
Type EF2 (30%, 40%, 50% In)	SL913410000	7130
Remote Fault Indication [8538]		
AN1 Remote Annunciation Module for SR18G/SR18G+D/SR18Gi+D : 240V AC	SL946540000	17300
Microswitches for Indication [8536]		
Microswitch for Voltmetric Releases (2) each	SL927030000	4430
Microswitch for Common Indication of O/L & S/C (3) each	SL927040000	4430
Microswitch for Separate Indication of O/L & S/C (3) each (for DN1 release)	SL927050000	7390
Service Position Microswitch - Right (2)	SL931420000	2990
Service Position Microswitch - Left (2)	SL931430000	2990
Test or Isolated Position Microswitch - Right (2)	SL931440000	2990
Test or Isolated Position Microswitch - Left (2)	SL931450000	2990

Note:

- The Numerical in brackets, against various accessories indicate the SICs required for wiring purpose in Draw-Out breakers
- Shunt release requires one set of auxiliary contacts
- Maximum 24 SICs can be fitted on an ACB. In Electrical ACBs 5 SICs are prewired for control circuit purpose

Features

- › Remote Status & Control of ACB
- › Communicates on MODBUS Protocol
- › Inbuilt RS485 Port

Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
UN-CO module for Breaker control	CL908520000**	20100	1

**Available till stock last

Protection Releases



SR18G



SR18G+D



SR18Gi+D



CT

Description	Cat. No.	M.R.P. (₹) Per Unit
Protection Releases [8538]		
Microprocessor based type SR71**	On Request	
Microprocessor based type SR18Gi+D	SL948130000	81300
Microprocessor based type SR18G+D	SL948120000	75200
Microprocessor based type SR18G	SL960300000	56700
Thermal-Magnetic Release type DN1	SL931520000	53100
Universal Test Kit	CL904620000	130200

****Available till stock last**

Universal Test Kit

Compatible with following Lauritz Knudsen Protection Releases

- › SR protection releases of C-Power ACB family
- › UNRS protection releases of U-Power ACB family
- › MTX and RC releases of D-Sine MCCB family

Retrofit kit solutions are available

For further details please contact the nearest branch office

Description	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
CTs for SR18G / SR18G+D / SR18Gi+D [8504]			
400 S1 Fix & Draw-out	SL015230000	9900	1
630 S1 Fix & Draw-out	ST374950000	9900	1
800 C/H/S1 Fix & Draw-out	SL018570000	9900	1
1000 C/H/S1 Fix & Draw-out	SL018580000	9900	1
1250 C/H/S1 Fix & Draw-out	SL905710000	12000	1
1600 C/H/S1 Fix & Draw-out	SL905720000	12000	1
2000 C/H Fix & Draw-out	SL905650000	13200	1
2000 S1 Draw-out	SL932100000	13200	1
2500 C/H Fix & Draw-out	SL905660000	13200	1
2500 S1 Draw-out			
3200 H2/H1 Draw-out	SL017400000	15300	1
4000 H2/H Draw-out	SL017390000	18100	1

For External Neutral C.T.s please use the above Cat. No.



**Protect your equipment
in Sulphur-rich environments**

C-POWER HE Air Circuit Breaker

- Range 1250A to 5000A, 415/690V ac
- Available in 3 Pole/4 Pole, Manually & Electrically operated, Fixed & Draw-out versions
- Protection through Microprocessor release



FN BOLTED HE Switch-Disconnecter-Fuse

- Range 32A to 630A, 415V ac, AC 23A
- TPN version suitable for Bolted Fuse Link
- Door Interlocking & Padlocking facility



Lauritz Knudsen Electrical & Automations HE range of Air Circuit Breakers (ACBs) and Switch-Disconnecter-Fuse (S-D-F) are designed to ensure that they operate at peak efficiency for their entire lifespan in harsh, Sulphur-rich Harsh corrosive environments.

For more details please
scan the QR code or click here



Customer Interaction Center (CIC)

Phone no: 022-6932 7800

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Plug-in boxes with Safety interlocks

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LTXL CAPACITOR



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Power Factor Correction Capacitors [8532]

Parameters	Standard Duty		Heavy Duty		HD Plus Gas Filled	Super Heavy Duty	APP	LTXL Ultra Heavy Duty	
	Cylindrical	Box	Cylindrical	Box	Cylindrical	Cylindrical	Box	Cylindrical	Box
Over current withstand capability	1.5 x In	1.5 x In	1.8 x In	1.8 x In	2.0 x In	2.5 x In	2.5 x In	3 x In	3 x In
Operating losses	0.45 W/kVAr	0.45 W/kVAr	0.5 W/kVAr	0.5 W/kVAr	0.45 W/kVAr	0.45 W/kVAr	0.5 W/kVAr	0.45 W/kVAr	0.5 W/kVAr
Peak Inrush current withstand capability	200 x In	200 x In	250 x In	300 x In	300 x In	350 x In	300 x In	500 x In	500 x In
Number of switching operations per year	5000	5000	7500	8000	10000	15000	10000	18000	20000
Max. Temperature	55°C	55°C	55°C	55°C	55°C	65°C	55°C	65°C	70°C
Operating life	100000 hrs.	100000 hrs.	130000 hrs.	150000 hrs.	180000 hrs.	200000 hrs.	200000 hrs.	300000 hrs.	300000 hrs.

Standard Duty Capacitors

Features

- > Finger proof terminal in Cyl capacitor
- > 150% continuous current carrying capacity
- > Self-Healing property
- > Soft resin as coolant
- > Inbuilt Over Pressure Disconnecter (OPD)



Type	kVAr Rating	Voltage (V)	M.R.P. (₹) per kVAr
Cylindrical 1 to 6 kVAr - Series : LTCCF 7.5 to 33.1 kVAr - Series : LTCCD	1 to 25	440	274
	1.2 to 27.7	480	274
	1.3 to 33.1	525	274
Box 1 to 6 kVAr - Series : LTBCF 7.5 to 33.1 kVAr - Series : LTBCD	1 to 50	440	326
	11.1 to 27.7	480	326
	13.2 to 33.1	525	326

Heavy Duty Capacitors

Features

- > 180% continuous current carrying capacity
- > Finger proof terminal in Cyl capacitor
- > Self-Healing property
- > Soft resin as coolant
- > Inbuilt over pressure disconnecter (OPD)
- > Low losses



Type	kVAr Rating	Voltage (V)	M.R.P. (₹) per kVAr
Cylindrical Series: LTCCH	1 to 4	440 V	523
	5 to 15		481
	20 to 30		469
	1.2 to 4.4*	480 V	523
	5.5 to 16.6		481
	22.1 to 27.7		469
	1.3 to 5.3*	525 V	523
	6.6 to 16.6		481
	20 to 33.1		469
	Box Series: LT BCH	1 to 4	440 V
5 to 15		538	
20 to 50		528	
5.5 to 15		480 V	538
20 to 27.7			528
6.6 to 15			538
20 to 33.1		528	
			525 V

HD Plus Gas Filled Capacitor

Features

- > High inrush current carrying capacity 300 x In
- > Inert gas as coolant (Non-flammable)
- > Finger proof terminal in Cyl capacitor
- > Self-Healing property
- > Inbuilt Over Pressure Disconnecter (OPD)
- > Long life



Type	kVAr Rating	Voltage (V)	M.R.P. (₹) per kVAr
Cylindrical Series: LTCCN	7.5 to 15	440	515
	20 & 25		478
	7.5 to 15	480	515
	20 to 30		478
	7.5 to 15	525	515
	20 to 33.1		478

* Now smaller rating also available in Heavy Duty Cylindrical

Super Heavy Duty Capacitors

Features

- > High over current withstand capacity 2.5 x In
- > High Inrush current withstand capacity 350 x In
- > Finger proof Sigut terminal in Cyl capacitor



Type	kVAR Rating	Voltage (V)	M.R.P. (₹) per kVAR
Cylindrical Series: LTCCR	3 to 5	440 V	717
	7.5 to 15		586
	20 & 25		555
	1.2 to 5.5	480 V	717
	11.1 & 15		586
	20 to 27.7		555
	1.3 to 5	525 V	717
6.6 to 15	586		
20 to 33.3	555		

APP Capacitors

Features

- > High over current withstand capacity 2.5 x In
- > High Inrush current withstand capacity 300 x In
- > Glazed ceramic bushing
- > Tinned Copper studs
- > Corrosion proof stainless steel Earthing pad



Type	kVAR Rating	Voltage (V)	M.R.P. (₹) per kVAR
Box Series: LTBCP	5 to 15	440 V	934
	20 to 50		903
	5.5 to 13.8	480 V	934
	16.6 to 55.3		903
	6.6 & 13.2	525 V	934
	16.6 to 66.2		903

LTXL - Ultra Heavy Duty Capacitors

Features

- > High over current withstand capacity 3 x In
- > High Inrush current withstand capacity 500 x In
- > Glazed ceramic bushing (In box type capacitor)
- > Lower thermal impedance
- > Designed to operate at temperature up to 70°C
- > Corrosion proof stainless steel Earthing pad



Type	kVAR Rating	Voltage (V)	M.R.P. (₹) per kVAR
Cylindrical Series : LTCCU	5 to 15	440V	1336
	20 & 25		1314
	7.5 to 15	480V	1336
	20		1314
	7.5 to 15		525V
20	1314		
Box Series: LTBCU	5 to 15	440V	1487
	20 to 50		1458
	7.5 to 15	480V	1487
	20 to 30		1458
	7.5 to 15	525V	1487
	20 to 33.1		1458

Ordering Information for Capacitors

C - Cylindrical, B - Box

Duty: D/F - Standard**
 H - Heavy
 N - Gas Filled
 R - Super Heavy
 P - APP
 U - Ultra Heavy

Sample ratings

kVAR Rating
 01 - 1 kVAR
 07 - 7.5 kVAR
 10 - 10 kVAR
 12 - 12.5 kVAR

Voltages:B - 440V, C - 480V, M - 525V

** F - 1 to 6 kVAR. D - 7.5 kVAR & above

L T C 3 2 **Catalogue Number**

Capacitor Series	kVAR ratings		
	440 V	480 V	525 V
LTCCF	1, 2, 3, 4, 5, 6	1.2, 2.2, 3.3, 4.4, 5.5	1.3, 2.6, 3.9, 5.3, 6.6
LTBCF	1, 2, 3, 4, 5, 6	-	-
LTCCD/LTBCD	7.5, 8.33, 10, 12.5, 15, 20, 25, 30*	11.1, 13.8, 16.6, 22.1, 27.7	13.2, 16.6, 20, 26.5, 30, 33.1
LTCCH	1, 2, 3, 4, 5, 7.5, 10, 12.5, 15, 20, 25, 30	1.2, 2.2, 3.3, 4.4, 5.5, 11.1, 13.8, 16.6, 22.1, 27.7	1.3, 2.6, 3.9, 5.3, 6.6, 13.2, 16.6, 20, 26.5, 30, 33.1
LTBCH	1, 2, 3, 4, 5, 7.5, 8.33, 10, 12.5, 15, 20, 25, 30, 50	5.5, 11.1, 15, 20, 25, 27.7	6.6, 13.2, 15, 20, 25, 30, 33.1
LTCCN	7.5, 8.33, 10, 12.5, 15, 20, 25	7.5, 12.5, 15, 20, 25, 30	7.5, 12.5, 15, 20, 25, 30, 33.1
LTCCR	3, 4, 5, 7.5, 8.33, 10, 12.5, 15, 20, 25	1.2, 2.2, 3.3, 4.4, 5.5, 11.1, 15, 20, 25, 27.7	1.3, 2.6, 3.9, 5, 6.6, 13.2, 15, 20, 25, 30, 33.3
LTBCP	5, 7.5, 10, 12.5, 15, 20, 25, 50	5.5, 11.1, 13.8, 16.6, 22.1, 27.7, 55.3	6.6, 13.2, 16.6, 20, 26.5, 30, 33.1, 66.2
LTCCU	5, 7.5, 8.33, 10, 12.5, 15, 20, 25	7.5, 10, 12.5, 15, 20	7.5, 10, 12.5, 15, 20
LTBCU	5, 7.5, 8.33, 10, 12.5, 15, 20, 25, 30, 50	7.5, 10, 12.5, 15, 20, 25, 30	7.5, 12.5, 15, 20, 25, 30, 33.1

*Only LTBCD is available at 30 kVAR

Detuned Reactors, 440 V, 50 Hz [8504]

Features

- > Copper & Aluminium wound reactors
- > H-class insulation
- > Lower operating losses
- > 180% linearity*
- > Thermal cut off
- > High Quality Factor



kVar Rating	7% Copper Reactor		7% Aluminium Reactor		14% Copper Reactor		14% Aluminium Reactor	
	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit
1	LTFR0701B2	12170	LTAL0701B2	7487	LTFR1401B2	23658	LTAL1401B2	12355
2	LTFR0702B2	13290	LTAL0702B2	8166	LTFR1402B2	25791	LTAL1402B2	13456
3	LTFR0703B2	15065	LTAL0703B2	9249	LTFR1403B2	29250	LTAL1403B2	15247
4	LTFR0704B2	16013	LTAL0704B2	9833	LTFR1404B2	31098	LTAL1404B2	16219
5	LTFR0705B2	17979	LTAL0705B2	10632	LTFR1405B2	33623	LTAL1405B2	18557
10	LTFR0710B2	24559	LTAL0710B2	15090	LTFR1410B2	47660	LTAL1410B2	26395
12.5	LTFR0712B2	27714	LTAL0712B2	16874	LTFR1412B2	52285	LTAL1412B2	30237
15	LTFR0715B2	32193	LTAL0715B2	20246	LTFR1415B2	57525	LTAL1415B2	36128
20	LTFR0720B2	35654	LTAL0720B2	22534	LTFR1420B2	66628	LTAL1420B2	41067
25	LTFR0725B2	36351	LTAL0725B2	22967	LTFR1425B2	73171	LTAL1425B2	42168
50	LTFR0750B2	60935	LTAL0750B2	35761	LTFR1450B2	118216	LTAL1450B2	59570
75	LTFR0775B2	90573	LTAL0775B2	52673	LTFR1475B2	171014	LTAL1475B2	88568
100	LTFR0700B2	117853	LTAL0700B2	72379	LTFR1400B2	228476	LTAL1400B2	119424

* Prices of 200% linearity reactors are available on request.

For industries with High Voltage Harmonics, **special solutions** are available on request. Contact your nearest sales office for the customised solutions.

Selection of capacitors for detuned harmonic filter application

Step Size & 440 V Reactor rating (kVar)	With 7% detuned reactor			With 14% detuned reactor	
	Capacitor series	480 V Capacitor (kVar)	525 V Capacitor (kVar)	Capacitor series	525 V Capacitor (kVar)
1	LTCCF, LTCCH, LTCCR	1.2	1.3	LTCCF, LTCCH, LTCCR	1.3
2	LTCCF, LTCCH, LTCCR	2.2	2.6	LTCCF, LTCCH, LTCCR	2.6
3	LTCCF, LTCCH, LTCCR	3.3	3.9	LTCCF, LTCCH, LTCCR	3.9
4	LTCCF, LTCCH	4.4	5.3	LTCCF, LTCCH	5.3
	LTCCR		5	LTCCR	5
5	LTCCF, LTCCH, LTCCR, LTBCD, LTBCU	5.5	6.6	LTCCF, LTCCH, LTCCR, LTBCD, LTBCU	6.6
	LTCCN, LTCCU, LTBCU	7.5	7.5	LTCCN, LTCCU, LTBCU	7.5
10	LTCCD, LTCCH, LTCCR, LTBCD, LTBCU	11.1	13.2	LTCCD, LTCCH, LTCCR, LTBCD, LTBCU	13.2
	LTCCN, LTCCU, LTBCU	12.5	12.5	LTCCN, LTCCU, LTBCU	12.5
12.5	LTCCN, LTCCR, LTCCU, LTBCD, LTBCU	15	15	LTCCN, LTCCR, LTCCU, LTBCD, LTBCU	15
	LTCCD, LTCCH, LTBCD, LTBCU	13.8	16.6	LTCCD, LTCCH, LTBCD, LTBCU	16.6
15	LTCCN, LTCCR, LTCCU, LTBCD, LTBCU	20	20	LTCCD, LTCCN, LTCCH, LTCCR, LTCCU, LTBCD, LTBCU, LTBCU	20
	LTCCD, LTCCH, LTBCD, LTBCU	16.6			
20	LTCCN, LTCCR, LTBCD, LTBCU	25	25	LTCCN, LTCCR, LTBCD, LTBCU	25
	LTCCD, LTCCH, LTBCD, LTBCU	22.1	26.5	LTCCD, LTCCH, LTBCD, LTBCU	26.5
	LTCCU	7.5 + 15	2 x 12.5	LTCCU	2x12.5
25	LTCCD, LTCCH, LTCCR, LTBCD, LTBCU	27.7	33.1	LTCCD, LTCCN, LTCCH, LTCCR, LTBCD, LTBCU, LTBCU	30
	LTBCU, LTCCN	30			
	LTCCU	12.5 + 15		15 + 20	
50	LTCCD, LTCCH, LTCCR, LTBCD, LTBCU	2 x 27.7	2 x 33.1	LTCCD, LTCCN, LTCCH, LTCCR, LTBCD, LTBCU, LTBCU	2 x 30
	LTBCU, LTCCN	2 x 30			
	LTCCU	2 x (12.5 + 15)	2 x (15 + 20)	LTCCU	3 x 20
	LTBCP	55.3	66.2		
75	LTCCD, LTCCH, LTCCR, LTBCD, LTBCU	3 x 27.7	3 x 33.1	LTCCD, LTCCN, LTCCH, LTCCR, LTBCD, LTBCU, LTBCU	3 x 30
	LTBCU, LTCCN	3 x 30			
	LTCCU	3 x (12.5 + 15)	3 x (15 + 20)	LTCCU	(4 x 20) + 10
	LTBCP	27.7 + 55.3	33.1 + 66.2		
100	LTCCD, LTCCH, LTCCR, LTBCD, LTBCU	4 x 27.7	4 x 33.1	LTCCD, LTCCN, LTCCH, LTCCR, LTBCD, LTBCU, LTBCU	4 x 30
	LTBCU, LTCCN	4 x 30			
	LTCCU	4 x (12.5 + 15)	4 x (15 + 20)	LTCCU	6 x 20
	LTBCP	2 x 55.3	2 x 66.2		

FAST. SILENT. LIMITLESS SWITCHING.

Dynamic Power Factor Correction engineered for rapidly fluctuating industrial loads.

-  5 ms response
-  Zero transients
-  Extended capacitor life



TSM

Power Quality Solutions

Capacitor Duty Contactors - Type MO C [8536]

Features

- › Conforms to IS / IEC 60947-4-1 & IEC 60947-4-1
- › Delatching type early make contacts
- › Separate termination for damping resistors
- › Encapsulated damping resistor assembly
- › Common coil for 50 & 60Hz application
- › Low pick-up VA consumption
- › **RoHS** compliant



Size	kVAr Rating @ 440V, 3Ph, 50Hz	Type	Built-in Auxiliary Contacts	Cat. No.	M.R.P. (₹) Per Unit	Std. Pkg. (Nos.)
Fr 1	3	MO C3	1NO	CS96146	2660	1
	5	MO C5	1NO	CS96127	2820	1
	8.5	MO C8.5	1NO	CS96320	3360	1
	10	MO C10	1NO	CS96156	3590	1
	12.5	MO C12.5	1NO	CS96321	3750	1
	15	MO C15	1NO	CS90019	4890	1
	20	MO C20	1NO	CS90021	5630	1
	25	MO C25▲	1NO	CS96322	6170	1
Fr 2	30	MO C30 [§]	1NO	CS96148	9190	1
	40	MO C40	1NO	CS96147	15500	1
	50	MO C50	1NO	CS96324	17390	1
Fr 3	60	MO C60 [§]	1NO	CS96149	18710	1
	75	MO C75	1NO	CS96150	22760	1
	85	MO C85	1NO	CS96157	23270	1
	100	MO C100 [§]	1NO	CS96158	23730	1

Thyristor Switching Module, 440V 50Hz [8538]

Features

- › High Peak Inverse Voltage (PIV) - 2.2 kV
- › Inbuilt control supply voltage
- › Auto thermal cut off
- › LEDs for various status/fault indications
- › Ambient Temperature -10° C to 55° C
- › No moving parts
- › On-site self test logic
- › Low operating losses
- › 2 Nos Aux Contact outputs for fault and status



kVAr Rating	Cat. No.	M.R.P. (₹) Per Unit
10	CS920490000	27475
25	CS920500000	39193
50	CS920510000	44890

Note (TSM): Above prices include Quick Discharge Resistors (QDR)

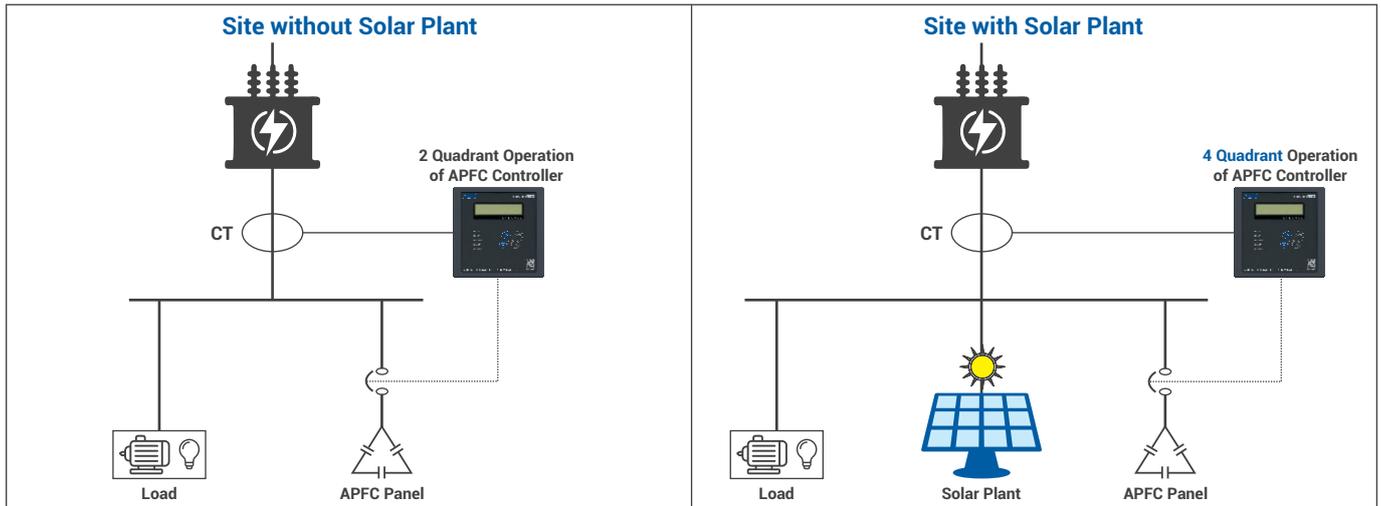
Note (MOC):

- 1) For ordering add-on aux. contact block, please refer page No. 8
- 2) For ordering suffix, please refer page No.10
- 3) For ordering spare coils, please refer page No. 11
- 4) Standard coil voltage : 240V, 50/60 Hz
- 5) For ordering MO C surge suppressor, please refer page No. 9

- ▲ If using 16 sq mm cable use of spreader link kit is mandatory
- ▲ For ordering spreader link kit, Please refer page No.9
- § Spreader link along with phase barrier included in packing

APFC Controller [8538]

etaSMART and etaULTRA Controllers are compatible for Sites with or without a Solar plant.



Enable 4 Quadrant setting in etaSMART and etaULTRA for site with Solar Plant.

etaULTRA - APFC Controller - 3 CT inputs

Features

- > 3 Phase Current and Voltage measurement
- > PF display - 3 Digit after decimal
- > Individual harmonics measurement up to 31st order
- > Dual PF setting for Mains - DG application
- > Communication through Inbuilt MODBUS RS-485 Protocol
- > Suitable for LT as well as HT side sensing

Cascading (Master - Slave configuration) for APFC panel with more than 16 steps



4 Quadrant Operation suitable for Solar Powered installations

Model Name	No. of steps (For Contactor switching)	No. of steps (For Thyristor switching)	Voltage Input	Cat No.	Size	M.R.P. (₹) Per Unit
etaULTRA 8R	8	0	110 / 415 V	CS910500000	144 x 144	25050
etaULTRA 16R	16	0		CS910510000		35150
etaULTRA 14T+2R	2	14		CS910530000		35150
etaULTRA 8T+8R	8	8		CS910540000		35150

Last Two Contacts can be programmed for Capacitor Switching / Alarm Function / Fan Control

etaSMART - APFC Controller - 1 CT input

Features

- > Simple and Smart Controller
- > Auto programming function available
- > CT secondary - 1 / 5 Amp site selectable
- > Measurement of Total harmonics distortion of current and voltage up to 13th order harmonics



4 Quadrant Operation suitable for Solar Powered installations

etaSMART T - APFC Controller for Thyristor Switching with 1 CT input

No. of steps (for Thyristor switching)	Size	Cat. No.	Single CT input	Voltage Input	M.R.P. (₹) Per Unit
8	144x144	CS916140000	1/ 5 Amp	415 V	21150
12	144x144	CS916150000			26450
15	144x144	CS916160000			30850

One separate relay contact is available for Alarm

etaSMART R - APFC controller for Contactor switching with 1 CT input

No. of steps (For Contactor Switching)	Size	Cat. No.	Single CT input	Voltage Input	M.R.P. (₹) Per Unit
4	96 x 96	CS908840000	1/ 5 Amp	415 V	9650
6	96 x 96	CS908850000			12700
8	96 x 96	CS909020000			15050
12	144 x 144	CS909030000			23800
14	144 x 144	CS909040000			27600
16	144 x 144	CS909050000			30100

Last Two Contacts can be Programmed for Capacitor Switching / Alarm Function / Fan Control

Power Factor Perfected, Harmonics Mitigated

ASVG & AHF

Experience the next generation of power quality solutions. Our Advanced Static VAR Generator (ASVG) & Active Harmonic Filter (AHF) Modules dynamically corrects power factor for varying loads and mitigates harmonic in the system, resulting in improved system performance and a longer equipment lifespan. ASVG & AHF Modules compatibility with Hybrid controller enables true hybrid solutions, offering greater control and flexibility.



Ultra-High Speed compensation using IGBT



Dynamic Stepless Power Factor Correction



Harmonic Mitigation

Advanced Static VAR Generator (ASVG) [8504] New

ASVG Features

- › Dynamic Stepless PF correction, Load balancing & Harmonic Mitigation
- › Suitable for DPF & TPF improvement
- › Harmonic Mitigation up to 15th Order
- › Fast response time of 50 µsec
- › Scalable architecture for future expansion
- › Lower thermal losses
- › Communicable – Inbuilt MODBUS RS485 Protocol
- › Wall mount/ Rack Mount Modules
- › True Hybrid Solution Compatibility

Hybrid controller

- › Intuitive Touchscreen display
- › Easy installation & programming
- › 18 Ports to connect Capacitor banks (Thyristor & Cap. duty Contactor Switching)
- › Alarm and Event Management
- › Bar Chart Visualization



kVar Rating	3P3W ASVG (415 V, -25%+15%)		3P4W ASVG (415 V, -25%+10%)	
	Cat. No.	M.R.P. (₹) Per Unit	Cat. No.	M.R.P. (₹) Per Unit
30	ASVG0030H3WD2*	On Request	ASVG0030H4WD2*	On Request
50	ASVG0050H3WD2*		ASVG0050H4WD2*	
100	ASVG0100H3WD2*		ASVG0100H4WD2*	
150	ASVG0150H3WD2*		ASVG0150H4WD2*	
30	ASVG0030N3RD2		ASVG0030N4RD2	
50	ASVG0050N3RD2		ASVG0050N4RD2	
100	ASVG0100N3RD2	ASVG0100N4RD2		
150	ASVG0150N3RD2	ASVG0150N4RD2		
Hybrid Controller / HMI				
18 Stage Relay O/P		ASVGH18R00T	On Request	
18 Stage Thyristor O/P		ASVGH00R18T		
9 Stage Relay 9 Stage Thyristor O/P		ASVGH09R09T		
7 Inch HMI		ASVGHMI007		

* ASVG module with inbuilt HMI

Active Harmonic Filter (AHF) [8543]



ACTIVE HARMONIC FILTER - MODULE New

Features

- › Reduces THD within IEEE - 519 limits
- › Harmonic Mitigation, Dynamic Stepless PF correction & Load balancing
- › Advanced 3 Level Inverter topology
- › Harmonic Mitigation up to 51st Order
- › Fast response time of 50 µsec
- › Lower thermal losses
- › Scalable architecture for future expansion
- › Communicable – Inbuilt MODBUS RS485 Protocol
- › Wall mount/ Rack Mount Modules
- › True Hybrid Solution Compatibility

ACTIVE HARMONIC FILTER

Features

- › Reduces THD within IEEE - 519 limits
- › Harmonic mitigation up to 50th Order
- › Harmonic Mitigation, Dynamic Stepless PF correction & Load balancing
- › With complete panel enclosure
- › Up to 1000 Amp in a single enclosure
- › Customizable to withstand in extreme environment
- › Communicable – Inbuilt MODBUS RS485 Protocol
- › Modular Design allowing for future expansion
- › Ease of Monitoring using Touch Screen HMI
- › Fully Customized as per site condition**

Contact your nearest sales office for customized solution.

Ampere Rating	3P3W AHF (415 V,-25%+15%)		3P4W AHF (415 V,-25%+10%)			
	Cat. No.*	M.R.P. (₹) Per Unit	Cat. No.*	M.R.P. (₹) Per Unit		
30	AHF0030H3WD2*	On Request	AHF0030H4WD2*	On Request		
50	AHF0050H3WD2*		AHF0050H4WD2*			
100	AHF0100H3WD2*		AHF0100H4WD2*			
150	AHF0150H3WD2*		AHF0150H4WD2*			
30	AHF0030N3RD2		AHF0030N4RD2			
50	AHF0050N3RD2		AHF0050N4RD2			
100	AHF0100N3RD2		AHF0100N4RD2			
150	AHF0150N3RD2		AHF0150N4RD2			
Hybrid Controller / HMI						
18 Stage Relay O/P			AHFHC18R00T		On Request	
18 Stage Thyristor O/P		AHFHC00R18T				
9 Stage Relay 9 Stage Thyristor O/P		AHFHC09R09T				
7 Inch HMI		AHFHMI007				

* AHF module with inbuilt HMI

Ampere Rating	3 Phase 3 wire AHF Without Neutral Compensation		3 Phase 4 wire AHF With Neutral Compensation	
	Cat. No.*	M.R.P. (₹) Per Unit	Cat. No.*	M.R.P. (₹) Per Unit
30	AHF030431D2	On Request	AHF030441D2	On Request
60	AHF060431D2		AHF060441D2	
100	AHF100431D2		AHF100441D2	
125	AHF125433D2		AHF125443D2	
150	AHF150433D2		AHF150443D2	
200	AHF200433D2		AHF200443D2	
250	AHF250433D2		AHF250443D2	
300	AHF300433D2		AHF300443D2	
400	AHF400433D2		AHF400443D2	
500	AHF500433D2		-	
600	AHF600433D2	-		
750	AHF750433D2	-		
1000	AHF000433D2	-		

*Standard CAT No. Configuration Cable Entry – Top/Cable Alley

Customisable options available
 IP Class – IP 40/IP 42/IP 54
 Conformal Coating - (3C3)

INTRODUCING **etaSYS** HYBRID APFC PANEL



BUILT FOR TOTAL ACCOUNTABILITY.

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- 

Designed for 'Low Life-Cycle Cost'
- 

Integrated OEM Ecosystem
- 

Intelligent Thermal Management
- 

Optimised Total Cost of Ownership (TCO)
- 

Unified Hybrid Control Systems
- 

Smart Panels for Real-Time Monitoring and Analytics

* Note: Hybrid Panel Combination - ASVG + APFC & AHF + APFC

Suggested Step Ratings for APFC Panels

Panel Rating (kVAr)	Physical Step Size (kVAr)	No. of Physical Steps	Electrical Steps (All Possible Combination of Physical Steps)	No. of Electrical Steps
10	4+3+2+1	4	1,2,3,4...8,9,10	10
15	5+4+3+2+1	5	1,2,3,4...13,14,15	15
20	10+5+2x2+1	5	1,2,3,4...18,19,20	20
25	15+5+2x2+1	5	1,2,3,4...23,24,25	20
30	15+10+2x2+1	5	1,2,3,4...28,29,30	22
35	20+10+2x2+1	5	1,2,3,4...33,34,35	23
40	20+10+5+3+2	5	2,3,5,7...35,37,38,40	24
45	25+10+5+3+2	5	2,3,5,7...40,42,43,45	24
50	25+15+5+3+2	5	2,3,5,10...45,47,48,50	24
55	25+15+10+3+2	5	2,3,5,10...50,52,53,55	25
60	25+15+10+5+3+2	6	2,3,5,7...55,57,58,60	36
65	25+2x15+5+3+2	6	2,3,5,7...60,62,63,65	35
70	25+20+15+5+3+2	6	2,3,5,7...65,67,68,70	36
75	2x25+15+5+3+2	6	2,3,5,7...70,72,73,75	39
80	2x25+15+10+3+2	6	2,3,5,10...75,77,78,80	36
85	50+20+5+4+2x3	6	2,3,5,6...80,81,82,85	44
90	50+25+5+4+2x3	6	3,4,5,6...85,86,87,90	47
95	50+25+10+4+2x3	6	3,4,6,7...89,91,92,95	43
100	50+25+15+4+2x3	6	3,4,6,7...94,96,97,100	44
105	50+25+15+5+4+2x3	7	3,4,5,6...100,101,102,105	85
110	50+25+15+10+4+2x3	7	3,4,5,6...104,106,107,110	65
115	50+25+2x15+4+2x3	7	3,4,6,7...109,111,112,115	65

Panel Rating (kVAr)	Physical Step Size (kVAr)	No. of Physical Steps	Electrical Steps (All Possible Combination of Physical Steps)	No. of Electrical Steps
120	50+25+20+15+4+2x3	7	3,4,6,7...114,116,117,120	85
125	50+2x25+15+4+2x3	7	3,4,6,7...119,121,122,125	55
130	50+2x25+20+4+2x3	7	3,4,6,7...124,126,127,130	60
135	2x50+15+10+4+2x3	7	3,4,6,7...129,131,132,135	65
140	2x50+20+10+4+2x3	7	3,4,6,7...134,136,137,140	62
145	2x50+25+10+4+2x3	7	3,4,6,7...139,141,142,145	65
150	2x50+25+15+4+2x3	7	3,4,6,7...144,146,147,150	66
155	2x50+25+15+3x5	7	5,10,15,20...145,150,155	31
175	2x50+2x25+10+3x5	8	5,10,15,20...165,170,175	35
200	2x50+3x25+15+2x5	8	5,10,15,20...190,195,200	40
225	3x50+2x25+15+10	7	10,15,25,35...210,215,225	27
250	3x50+3x25+15+10	8	10,15,25,35...235,240,250	30
275	4x50+2x25+15+10	8	10,15,25,35...260,265,275	33
300	100+2x50+3x25+15+10	8	10,15,25,35...285,290,300	36
325	100+3x50+2x25+15+10	8	10,15,25,35...310,315,325	39
350	100+4x50+25+15+10	8	10,15,25,35...335,340,350	42
375	2x100+2x50+2x25+15+10	8	10,15,25,35...360,365,375	45
400	2x100+2x50+4x25	8	25,50,75,100...350,375,400	16
425	2x100+3x50+3x25	8	25,50,75,100...375,400,425	17
450	2x100+3x50+4x25	9	25,50,75,100...400,425,450	18
475	2x100+4x50+3x25	9	25,50,75,100...425,450,475	19
500	2x100+5x50+2x25	9	25,50,75,100...450,475,500	20

Note: Above mentioned steps are typical recommendations, suitable for most of the industries. For accurate compensation, step size selection may have to be decided after studying load profile of that industry.

Empower Your Grid with **PRECISION & INTELLIGENCE**



WC8000
Power Quality Analyzers

WC7000
Power Quality Monitors

WC8000 & WC7000 Power Quality Meter Range Engineered for excellence, trusted for compliance.



Class 0.2s Accuracy
As per IEC 62053-22



Smart Communication
RS485, Ethernet,
Modbus RTU, MQTT



Reporting
IEC61000-4-30, IEEE519,
ITIC & CBEMA, EN50160



Advanced Harmonics Analysis
Up to 127th order (WC8000)



Web Server Enabled
Remote access
& configuration



Robust Design
IP51 protection, double insulation,
wide voltage range



Real-Time Monitoring
High sampling rates
(1024/cycle for WC8000)



Energy Efficiency Insights
CO tracking, load analysis,
TOU slots

numrAL

Draw-out Numerical Protection Relays with Intelligent Algorithm

Current and Voltage-based Protection ▼



- Comprehensive Protection along with Control and Monitoring
- Enhanced interface with Display and Modbus Communication

Powered By
SMARTCOMM

▲ Single Element and Multifunction Relays

APPLICATIONS



DISTRIBUTED ENERGY SYSTEM:

Renewable and Grid Stability



EQUIPMENT PROTECTION:

Generator, Transformer and Motor



POWER GENERATION AND DISTRIBUTION SUBSTATIONS:

LV and MV applications



REAL TIME MONITORING AND PREDICTIVE ANALYTICS

with SmartComm

Protection Relays [8536]

Correlation between ANSI/IEEE device function number and relays																
ANSI Code	Function Name	Protection Relays														
		Single Function						Voltage and Frequency			Feeder		Motor Protection			
		REF11	NDR11	OCR11	RPR11	TCS11	PTF11	VPR11	VPR21	VPR22	FDR21	FDR22	eMPR 3001	iMMR	MM10	MPR21
27	AC under-voltage relay							✓	✓	✓					✓	
32	Power directional relay				✓											
37	Under current or under power relay											✓	✓	✓	✓	
46	Reverse phase or phase balance current relay										✓	✓	✓	✓	✓	
46BC	Broken conductor Protection										✓					
47	Phase-sequence or single-phasing voltage relay							✓	✓				✓			
48	Excessive Start Time Monitoring												✓	✓	✓	
49	Machine or transformer thermal Overload relay										✓	✓	✓	✓	✓	
50	Instantaneous overcurrent relay										✓	✓		✓	✓	
50N	Instantaneous Earth Fault relay			✓							✓	✓		✓	✓	
50BF	Breaker - failure										✓	✓			✓	
51	AC time over current relay										✓	✓	✓	✓	✓	
51N-(51G)	Ground fault time over current relay / Standby Earth Fault Relay			✓							✓	✓		✓	✓	
51LR	Locked rotor											✓	✓	✓	✓	
59	AC over-voltage relay							✓	✓	✓				✓		
59N	Neutral Displacement Relay		✓						✓	✓						
59D	Positive Sequence Over-voltage protection								✓	✓						
64REF	Restricted Earth Fault Relay	✓														
64	Machine Ground Fault			✓								✓	✓	✓	✓	
66	Max. no. of starts												✓		✓	
81	Frequency relay								✓	✓				✓		
87N-(87G)	Ground fault differential protection relay*	✓														
74TCS	Trip Circuit supervision Protection					✓				✓		✓			✓	
78	Vector surge protection relay									✓						
df/dt	Rate of change of frequency									✓						
SOTF	Switch On to Fault Protection											✓				
PTFF	PT Fuse failure						✓									

* REF11 is meant for Generator Differential Protection

3 Phase non-directional Over Current + Earth Fault Relay

- › FDR21 – 50, 51, 50N, 51N.
- › Microcontroller-based design
- › Draw-out enclosure.
- › CT rating[#]- 1A/ 5A (site selectable)
- › Display of 250 event and 30 Trip records
- › 128*64 graphical display



Model	Aux. Supply (V)	Communication	Cat. No.	M.R.P. (₹) Per Unit
numrAL FDR21	20 - 60V DC	Non-Communicable	NRFDR2A26NX	25300
	85 - 265V AC, 87 - 265V DC	Non-Communicable	NRFDR2B26NX	25300

[#]- Protection Class CT

3 Phase non-directional Over Current + Earth Fault Relay

- › FDR22 - 46BC, 49, 50, 51, 50N, 51N, 50BF, 74TCS, SOTF
- › Microcontroller-based design
- › Draw-out enclosure.
- › CT rating[#]- 1A/ 5A (site selectable)
- › Display of 250 event and 30 Trip records
- › 128*64 graphical display
- › Modbus RS-485 Communication
- › Front Micro USB port for numrAL Suite



Model	Aux. Supply (V)	Communication	Cat. No.	M.R.P. (₹) Per Unit
numrAL FDR22	20 - 60V DC	Modbus RS 485	NRFDR2A27RA	32000
	85 - 265V AC, 87 - 265V DC	Modbus RS 485	NRFDR2B27RA	32000

[#]- Protection Class CT

Motor Protection Relay*

- › MPR21 – 37, 46, 48, 49, 50BF, 50, 51, 50N, 51N, 51LR, 64, 66, 74TCS.
- › Microcontroller-based design
- › Draw-out enclosure.
- › CT rating[#]- 1A/ 5A (site selectable)
- › Display of 250 event and 30 Trip records
- › 128*64 graphical display
- › Modbus RS-485 Communication
- › Front Micro USB port for numrAL Suite



Model	Aux. Supply (V)	Communication	Cat. No.	M.R.P. (₹) Per Unit
numrAL MPR21	20 - 60V DC	Modbus RS 485	NRMMPR2A28RA	49000
	85 - 265V AC, 87 - 265V DC	Modbus RS 485	NRMMPR2B28RA	49000

[#] - Protection Class CT
* - Available on Request

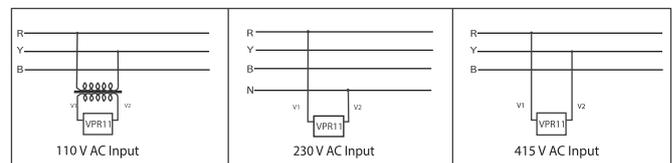
Single Pole Over Voltage + Under Voltage Relay

VPR11 - Single Pole Under Voltage and Over Voltage Relay (27, 59)

- › Microcontroller-based design
- › Draw-out Enclosure
- › Single Phase OV + UV Protection
- › System Voltage – 110/ 230/ 415 VAC (site programmable)
- › Inverse and definite time delay
- › Display of Actual value and 5 Trip records



Model	Aux. Supply (V)	Communication	Cat. No.	M.R.P. (₹) Per Unit
numrAL VPR11	20 - 60V DC	Non-communicable	NRVPR1A11NX	18000
	85 - 265V AC, 87 - 265V DC	Non-communicable	NRVPR1B11NX	18000
	20 - 60V DC	Modbus RS 485	NRVPR1A11RA	20000
	85 - 265V AC, 87 - 265V DC	Modbus RS 485	NRVPR1B11RA	20000

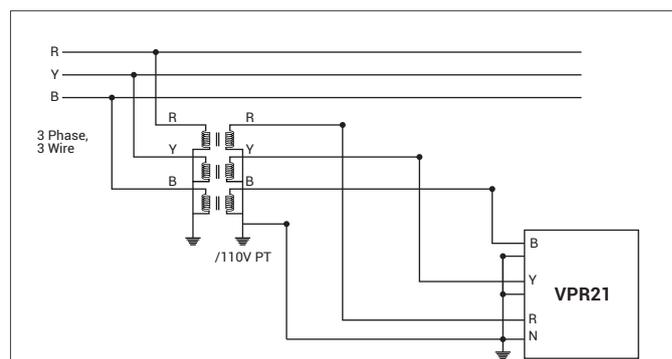
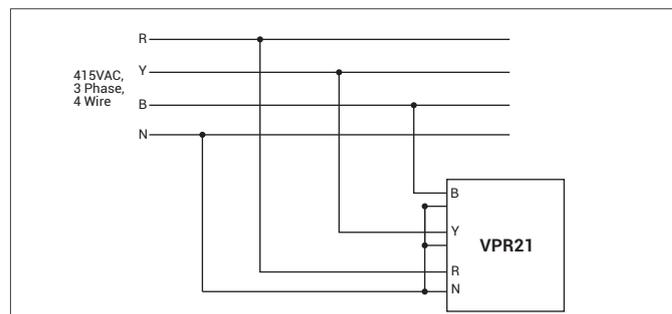


3 Phase Voltage + Frequency Relay

- › VPR21 – 27, 47, 59, 59N, 810/U
- › Microcontroller-based design
- › Draw-out enclosure.
- › System Voltage – 110/ 230/ 415 VAC (site programmable)
- › Display of 250 event and 30 Trip records
- › 128*64 graphical display



Model	Aux. Supply (V)	Communication	Cat. No.	M.R.P. (₹) Per Unit
numrAL VPR21	20 - 60V DC	Non-Communicable	NRVPR2A2ANX	25300
	85 - 265V AC, 87 - 265V DC	Non-Communicable	NRVPR2B2ANX	25300



Restricted Earth Fault Relay

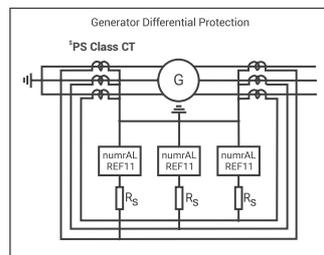
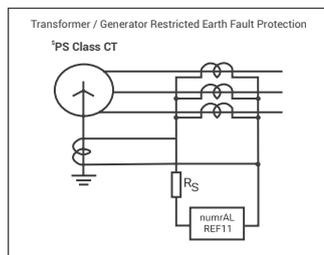
REF11 - Restricted Earth Fault Relay (87N/64REF)

- Microcontroller-based design
- Draw-out Enclosure
- CT rating[§] - 1A/ 5A (site selectable)
- Single Phase high impedance Earth Fault
- Instantaneous and definite time delay [50 msec to 1 sec (programmable)]
- Built in third harmonic filter
- Display of Actual value and 5 Trip records



Model	Aux. Supply (V)	Communication	Cat. No.	M.R.P. (₹) Per Unit
numrAL REF11	20 - 60V DC	Non-communicable	NRREF1A10NX	18000
	85 - 265V AC, 87 - 265V DC	Non-communicable	NRREF1B10NX	18000
	20 - 60V DC	Modbus RS 485	NRREF1A10RA	20000
	85 - 265V AC, 87 - 265V DC	Modbus RS 485	NRREF1B10RA	20000

§ - PS Class CT



Single Pole Over Current OR Earth Fault Relay

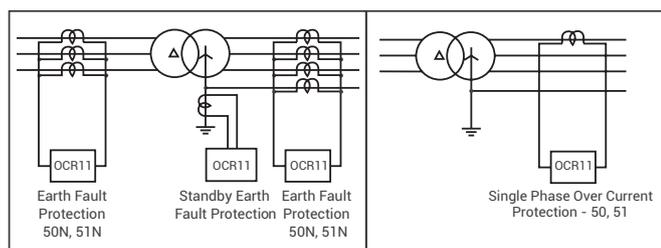
OCR11 – Single pole Over Current or Earth Fault Relay (50, 51 OR 50N, 51N)

- Microcontroller-based design
- Draw-out Enclosure
- Single Phase OC/ EF Protection
- CT rating[§] - 1A/ 5A (site selectable)
- Inverse and definite time delay
- Display of Actual Current value and 5 Trip records



Model	Aux. Supply (V)	Communication	Cat. No.	M.R.P. (₹) Per Unit
numrAL OCR11	20 - 60V DC	Non-communicable	NROCR1A10NX	18000
	85 - 265V AC, 87 - 265V DC	Non-communicable	NROCR1B10NX	18000
	20 - 60V DC	Modbus RS 485	NROCR1A10RA	20000
	85 - 265V AC, 87 - 265V DC	Modbus RS 485	NROCR1B10RA	20000

§ - Protection Class CT



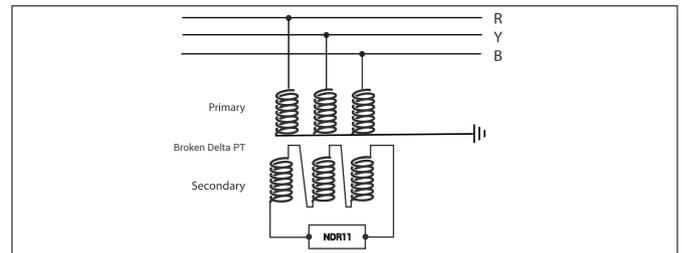
Neutral Displacement Relay

NDR11 - Neutral Displacement Relay (59N)

- Microcontroller-based design
- Draw-out Enclosure
- Single Phase OV Protection
- Definite & Normal inverse time delay
- Display of Actual value and 5 Trip records



Model	Aux. Supply (V)	Communication	Cat. No.	M.R.P. (₹) Per Unit
numrAL NDR11	20 - 60V DC	Non-communicable	NRNDR1A11NX	18000
	85 - 265V AC, 87 - 265V DC	Non-communicable	NRNDR1B11NX	18000
	20 - 60V DC	Modbus RS 485	NRNDR1A11RA	20000
	85 - 265V AC, 87 - 265V DC	Modbus RS 485	NRNDR1B11RA	20000



Trip Circuit Supervision Relay

TCS11 – Trip Circuit Supervision Relay (74)

- Microcontroller-based design
- Draw-out Enclosure
- Monitors Trip Coil in Breaker ON & OFF condition
- Site selectable Trip Coil Voltage



Model	Aux. Supply (V)	Communication	Cat. No.	M.R.P. (₹) Per Unit
numrAL TCS11	20 - 60V DC	Non-Communicable	*Available On Request	
	85 - 265V AC, 87 - 265V DC	Non-Communicable		

* Please contact our nearest branch for details

PT Fuse Failure Relay

PTF11 – PT Fuse Failure Relay (PTFF/97)

- Microcontroller-based design
- Draw-out Enclosure
- Monitors the healthiness of PT Fuse.
- 3 Separate sensing elements.



Model	Aux. Supply (V)	Communication	Cat. No.	M.R.P. (₹) Per Unit
numrAL PTF11	20 - 60V DC	Non-Communicable	*Available On Request	
	85 - 265V AC, 87 - 265V DC	Non-Communicable		

* Please contact our nearest branch for details



Electrical & Automation

BECAUSE YOUR IT SYSTEMS CAN'T AFFORD DOWNTIME

Discover Insulation Monitoring Relay - Your first alert to insulation failure

Insulation Monitoring Relay



Hospitals & Pharmaceutical Facilities | Data Centres | Mining Operations
Railways & Transport Systems | Transportable & Mobile Cranes



High visibility status indications



Early fault detection with clear visual indication



Test / Reset button



Precise customizable threshold resistance with easy dial control



Flexibility to operate in fail safe and non-fail safe mode

Legacy Range:

Model	Aux. Supply (V)	Details	Cat. No.	M.R.P. (₹) Per Unit
MRP11* Reverse Power Relay	20 - 110V AC/DC	1A CT secondary	MRP11A10X00	24500
	20 - 110V AC/DC	5A CT secondary	MRP11A50X00	24500
	88 - 264V AC/DC	1A CT secondary	MRP11B10X00	24500
	88 - 264V AC/DC	5A CT secondary	MRP11B50X00	24500

* Available till stock lasts

Insulation Monitoring Relay New

Application: Monitoring of insulation resistance between Live conductors and Earth (Ground) in case of Unearthed (IT) electrical systems. Detection of insulation faults at earlier stage prevents electrical hazards such as electric shock, fire and equipment damage.

Features:

- › Threshold resistance setting from 1K to 100K ohm
- › Suitable for 1Phase and 3 Phase (Both 3W and 4W)
- › Test/Reset function with remote and manual facility
- › Indication of Power ON, Relay output and Fault.
- › Both fail safe and non-failsafe relay option available

Application Segments:

- 1.Railways
- 2.Hospitals and Pharma
- 3.Data Centre
- 4.Mining



Description	Cat Code	M.R.P. (₹) Per Unit
System voltage up to 520V. Adjustable from 1-100K Ω with 2C/O	IMR520	12000

Single Element Lockout Relay - LocR

Features

- › Lockout Relays [Master Trip Relay] - LocR
- › Designed to operate the circuit breaker trip coils at high speed
- › Available with Hand reset contact (HRC) and hand reset Flag (HRF)

Description	Output contacts	Reset Contacts	Reset Flag	Coil Voltage	Cat. No.	M.R.P. (₹) Per Unit
Single element Lockout relay	3N/O + 2NC	Hand	Hand	24VDC	L1H32DC024X	6000
				110VDC	L1H32DC110X	6000
				220VDC	L1H32DC220X	6000
				230VAC	L1H32AC230X	6000



ANSI Code - 86

Three Element Auxiliary Relay - AuxR

Features

- › AuxR relay provides additional contacts for interlocking, control and signal applications
- › Available with hand reset or self-reset contacts and hand reset Flag

Description	Output Contacts	Reset Contacts	Reset Flag	Coil Voltage	Cat. No.	M.R.P. (₹) Per Unit
Three element Auxiliary relay	4 N/O	Hand	Hand	24VDC	A3H40DC024X	12000
				110VDC	A3H40DC110X	12000
				220VDC	A3H40DC220X	12000
				230VAC	A3H40AC230X	12000
Three element Auxiliary relay	2 N/O + 2 N/C	Auto	Hand	24VDC	A3A22DC024X	12000
				110VDC	A3A22DC110X	12000
				220VDC	A3A22DC220X	12000
				230VAC	A3A22AC230X	12000



Metering Devices [9028]

Single Phase kWh meter with LCD display

Model EM101+ Class 1 Base mounting



Description	Cat. No.	M.R.P. (₹) Per Unit
1P LCD Meter 5-30A	WM101BC5DL0	2145
1P LCD Meter 5-30A with BOX	WM101BC5DL0BOX	2860
1P LCD Meter 5-30A with OPTICAL PORT	WM101BC5DDH	2948
1P LCD Meter 5-30A with Optical port + BOX	WM101BC5DDHBOX	3663
1P LCD Meter 10-60A	WM101BC7DL0	2530
1P LCD Meter 10-60A with BOX	WM101BC7DL0BOX	3190
1P LCD Meter 10-60A with Optical Port	WM101BC7DDH	3234
1P LCD Meter 10-60A with Optical Port + BOX	WM101BC7DDHBOX	3718
1P LCD Meter 5-30 with Optical Port + RS232	WM101BC5DLMSC	3300

Trivector Meter Class 1 whole current meter

Model ER300P Class 1 (Base Mounting)



Description	Cat. No.	M.R.P. (₹) Per Unit
3Ph, 4W TVM 240 V 10 - 60A BM	WR300BC7300	10098
3Ph, 4W TVM 240 V 10 - 60A BM RS 485Modbus*	WR300BC73RS485	14410
3Ph, 4W TVM 240 V 10 - 60A BM with Hinge type Box	WR300BC73BOXH	12507

*- Available on request only & minimum order quantity is 100 Nos

Trivector Meter Class 0.2s

Model ER300P Class 0.2s (Base Mounting)

- Inform CT/PT ratio while ordering
- Meters with DLMS Protocol (IS 15959)



Description	Cat. No.	M.R.P. (₹) Per Unit
3Ph, 4W TVM 110V (L-L) 1 A Class 0.2s BM RS485 Modbus	WR300BB11RS	87087
3Ph, 4W TVM 110V (L-L) 5 A Class 0.2s BM RS485 Modbus	WR300BB51RS	87087

Meter Reading Instrument [8471]



Description	Cat. No.	M.R.P. (₹) Per Unit
Meter Reading Instrument - (16.5 MB)	990MR1XX000	172381
Meter Optical port to USB cable	990PCXXUSB	2057

3 Phase 4 Wire kWh meter LCD type

Model ER300P Base Mounting



Description	Cat. No.	M.R.P. (₹) Per Unit
3Ph 4 W kWh CT op base mtg 240V, /5A, Acc 0.5s	WR301BC3C00	6842
3Ph 4 W kWh Dir base mtg 240V 5- 30 A Acc 1	WR301BC4D20	5731
3Ph 4 W kWh Dir base mtg 240V 10- 40 A Acc 1	WR301BC6D20	5896
3Ph 4 W kWh Dir base mtg 240V 10- 60 A Acc 1	WR301BC7D10	7469
3Ph 4 W kWh Dir base mtg 240V 20- 100 A Acc 1	WR301BC8D10	10824

Trivector Meter Class 0.5s

Model ER300P Class 0.5s (Base Mounting)

- Inform CT/PT ratio while ordering
- Meters with DLMS Protocol (IS 15959)



Description	Cat. No.	M.R.P. (₹) Per Unit
3Ph, 4W TVM 110V (L-L) 1 A Class 0.5s BM RS 485 Modbus	WR300BB12RS	40370
3Ph, 4W TVM 110V (L-L) 5 A Class 0.5s BM RS 485 Modbus#	WR300BB52RS	40370
3Ph, 4W TVM 240V (L-N) 5 A CI 0.5s BM RS 485 Modbus	WR300BC52RS	36201

- available on request

Pre-Payment* & Smart Meter Solutions\$

Pre-Payment Meter (IS 15884)*, Smart Meter (IS 16444) solutions please contact our nearest Branch

* - Long lead item. Available on request

NET/ABT Meters\$



Net Meters for solar roof top application & solar generation plant please contact our nearest Branch

ORION (40-200A)\$



Combined CT Meter (Available for Generation and Net Metering)

\$ For more details please contact nearest branch



Electrical & Automation

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Prepaid & Postpaid Metering



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Data Security, Compliance & Reliability

SMARTCOMM



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THE TIMES GROUP**

MAKING **BUSINESSES SMARTER** AT **EVERY STEP**

From designing power distribution systems to maintaining operations, SmartComm provides full visibility, precise control, and predictive insights to maintain energy efficiency

-  **Design**
Electrical Installation Simulation
Sizing, Calculations & Protection
Schemes
-  **Build**
Panel Solutions Configurator
Estimation & Engineering
-  **Commission**
Device Management
Configuration & Diagnostics
-  **Maintain**
Maintenance Digitization
Software
-  **Operate**
Power Management Solution
Analytics, Control & Visualization



SmartComm Power Management Solutions

Digitally connect, operate, and optimize with our cutting-edge SCADA-based platform, designed to improve operational efficiency and promote sustainable operations



Seamless Integration from Plant floor assets to real-time dashboards



Holistic view of Power Distribution Network using intuitive Single-Line Diagram (SLD)



Highly scalable platform from 128 to unlimited tags



Gain valuable insights with Energy Analytics dashboards & Custom Reports for data-driven decisions



Embrace open communication protocols such as Modbus TCP, MQTT, IEC61850, OPC-UA, and more



Stay ahead with alerts for power system abnormalities and fault conditions.



Industry



Commercial complex



Building



Utility



Infra



OEM

THE ENERGY MANAGEMENT SYSTEM THAT FOSTERS ENERGY EFFICIENCY



SmartComm EMS is a simple yet robust solution for organizations seeking to optimize energy consumption and operational efficiency, all within a user-friendly environment. The on-premise implementation gives you direct control and oversight of energy-related data, allowing for real-time monitoring, analysis, and decision-making through an intuitive and easy-to-use interface. With cutting edge features, SmartComm EMS empowers you to proactively manage energy usage, identify savings opportunities, and ensure compliance with sustainability goals and regulations.

Pre-configured with Lauritz Knudsen Digital Meters



Empowering You with Energy Insights, Anytime, Anywhere!

EMS on Cloud simplifies energy monitoring with real time data

Smartcomm EMS on Cloud empowers business owners and plant heads to seamlessly monitor energy usage & efficiency across operations and facilities. With our subscription-based software license, harness the power of cloud with minimal investment, faster deployment, seamless updates and easy scalability. Businesses owners can now track and take decisions on energy optimization based on real-time as well as historical insights, thereby reducing energy costs and increasing business efficiency.

- **Accessibility:** Accessible from anywhere, enabling remote monitoring and management
- **Cost-Effectiveness:** Lower upfront costs reducing IT maintenance expenses
- **Integration:** Integrate with IoT devices for a comprehensive energy management solution
- **Updates and Maintenance:** Automatic software updates and maintenance
- **Data Analytics:** Data Analytics at its best through widget-based dashboards and reports
- **Key Performance Indicators:** Intelligent Notifications through SMS and Email based alerts and alarms

Customer Interaction Center (CIC)

Phone no: 022-6932 7800

Web: www.LK-EA.com | e-mail: CIC@LK-EA.com

Multifunction Meter Selection Chart

Parameters Group	Parameters	Basic MFM	MFM				Advanced MFM	
		4400/4405	4410	4420	4430	4440	5010	5000
Instantaneous Parameters	V1, V2, V3, V12, V23, V31, Avg (VLN, VLL)	✓	✓	✓	✓	✓	✓	✓
	A1, A2, A3, Aavg	✓	✓	✓	✓	✓	✓	✓
	An (Computed)		✓	✓	✓	✓	✓	✓
	Frequency	✓	✓	✓	✓	✓	✓	✓
	% A Unbal, % V Unbal (Avg and Phase wise)		✓	✓	✓	✓	✓	✓
	PF-1, PF-2, PF-3, PF (Avg)	✓	✓	✓	✓	✓	✓	✓
	RPM (Rotations per minute)		✓	✓	✓	✓	✓	✓
	Phase Angle A°1, A°2, A°3, V°1, V°2, V°3		✓	✓	✓	✓	✓	✓
	W1, W2, W3, W(total)	✓	✓	✓	✓	✓	✓	✓
	VA1, VA2, VA3, VA(total)	✓	✓	✓	✓	✓	✓	✓
	VAR1, VAR2, VAR3, VAR (total)		✓	✓	✓	✓	✓	✓
Cumulative Parameters	Import Wh	✓	✓	✓	✓	✓	✓	✓
	Import VAh	✓	✓	✓	✓	✓	✓	✓
	Import VARh (Lead & Lag)		✓	✓	✓	✓	✓	✓
	Import load hours	✓	✓	✓	✓	✓	✓	✓
	Export Wh				✓		✓	✓
	Export VAh				✓		✓	✓
	Export VARh (Lead & Lag)				✓		✓	✓
	Export run hours				✓		✓	✓
	No of Interrupts		✓	✓	✓	✓	✓	✓
Reset (old) Cumulative parameters	Import Wh	✓	✓	✓	✓	✓	✓	✓
	Import VAh		✓	✓	✓	✓	✓	✓
	Import VARh (Lead & Lag)		✓	✓	✓	✓	✓	✓
	Import load hours	✓	✓	✓	✓	✓	✓	✓
	Export Wh				✓		✓	✓
	Export VAh				✓		✓	✓
	Export VARh (Lead & Lag)				✓		✓	✓
	Export run hours				✓		✓	✓
Harmonic	V THD%, V1, V2, V3 - harmonic (31 st)		✓	✓	✓	✓	✓	✓
	A THD%, A1, A2, A3, - harmonic (31 st)		✓	✓	✓	✓	✓	✓
	Individual harmonics upto 31 st (V, A)						✓	✓
Demand / Load parameters	Maximum demand MD W, MD VA, MD VAR - max avg A (without RTC)			✓	✓			
	Maximum demand MD W, MD VA, MD VAR - max avg A (with RTC)					✓	✓	✓
	Max MD & occurrence time						✓	✓
Min / Max value	VLL, VLN, A, F, W, VA, VAR, PF		✓	✓	✓	✓	✓	✓
Storage	Datalog (8MB)							✓
Communication	RS485 Modbus RTU	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Ethernet Port (Modbus TCP/IP)							Optional
Input and Output	Digital and Analog (input and output)							Optional
	Pulse Output		Optional					Optional

Single Function Meters [9030]

1xxx Series

- › Accuracy Class 1.0, 0.5
- › Input voltage measurement range 50-520 VAC (P-P)
- › Aux supply 80-300 V AC / DC
- › CT secondary site selectable 1A / 5A
- › Flush mounting 96 x 96 mm
- › Inbuilt selector switch for 3 phase meters
- › CT/PT site programmable
- › Frequency parameter available in 3Ph Voltmeter additionally



Description	Cat. No.	M.R.P. (₹) Per Unit
1Ph LED Ammeter CI 1	WL1110100000	1075
1Ph LED Voltmeter CI 1	WL1120100000	1075
3Ph LED Ammeter CI 1	WL1310100000	1645
3Ph LED Voltmeter CI 1	WL1320100000	1645
LED Freq meter CI 0.2	WL1130400000	1075
1Ph LED Ammeter CI 0.5	WL1110200000	1515
1Ph LED Voltmeter CI 0.5	WL1120200000	1515
3Ph LED Ammeter CI 0.5	WL1310200000	1905
3Ph LED Voltmeter CI 0.5	WL1320200000	1905

Energy Meters [9030]

4000 Series

- › Accuracy Class 1.0, 0.5
- › Input voltage measurement range 50-520 VAC (P-P)
- › Aux supply 80-300 VAC/DC
- › CT secondary site selectable 1A / 5A
- › Flush mounting 96 x 96 mm
- › CT/PT site programmable
- › Auto scaling of Kilo, Mega and Giga
- › Parameters: Site selectable kWh / kVA / PF / W, Old energy

kWh or kVAh is site selectable

Energy display in kWh in its lifetime#



Description	Cat. No.	M.R.P. (₹) Per Unit
kWh LED meter CI 1	WL4000100000	3250
kWh LED meter CI 1 with RS485	WL4000110000	3595
kWh LED meter CI 0.5	WL4000200000	4130
kWh LED meter CI 0.5 with RS485	WL4000210000	4480
kWh LCD meter CI 1	WC4000100000	3680
kWh LCD meter CI 1 with RS485	WC4000110000	4065
kWh LCD meter CI 0.5	WC4000200000	4555
kWh LCD meter CI 0.5 with RS485	WC4000210000	4905

For 415V LL and CT Primary value of 400 and below

VAF, VAF + PF Meters [9030]

41XX Series



- › Accuracy Class 1.0, 0.5
- › Input voltage measurement range 50-520 VAC (P-P)
- › Aux supply 80-300 VAC/DC
- › CT secondary site selectable 1A / 5A
- › Flush mounting 96 x 96 mm
- › Parameters: VLL, VLN, A, F, PF, On Hrs, RPM, Apeak

Description	Cat. No.	M.R.P. (₹) Per Unit
VAF meter, CI 1 New	WL4100100000	1935
VAF + PF meter, CI 1	WL4110100000	2655
VAF + PF meter with RS485, CI 1	WL4110110000	3330
VAF + PF meter, CI 0.5	WL4110200000	3050
VAF + PF meter with RS485, CI 0.5	WL4110210000	3690

DIN Type Basic Multifunction Meters [9030]

New 40x0 Series

- › DIN mounting whole current operated meter
- › Accuracy Class 1.0
- › Inbuilt RS485 option
- › **Parameters** : Voltage, Current, kW, kWh, kVA, kVAh, RPM, Load hours, Interruptions



Description	Module	Cat. No.	M.R.P. (₹) Per Unit
Single Phase - 60A	2	WD4010100000	3410
Three Phase - 80A	5	WD4020100000	7385
Single Phase - 60A (RS485)	2	WD4010110000	5045
Three Phase - 80A (RS485)	5	WD4020110000	11145



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Electrical & Automation

Smart DIN Mounted Energy Meters

Empowering Smart Decisions with Micro-Level Insights

Compact, Accurate & Intelligent

Dual Source Basic MFM [9030]

4040 Series

Features

- › Accuracy Class 1.0, 0.5
- › Input voltage measurement range 50-520 VAC (P-P)
- › Aux supply 80-300 VAC/DC
- › CT secondary site selectable 1A / 5A
- › DG sensing input 230 VAC
- › Flush mounting 96 X 96 mm
- › CT/PT site programmable
- › Discrete LED for EB and DG
- › True PF or Displacement PF site selectable
- › Parameters on Display : kW, kVA, PF, Run hours, kWh (EB and DG), Old energy, Site selectable kWh / kVAh
- › Parameters on Communication : V, A, F, kW, kVA, PF, Run hours, kWh (EB and DG), Old energy, Site selectable kWh / kVAh

kWh or kVAh
is site selectable



LCD offers better readability
of parameters

Description	Cat. No.	M.R.P. (₹) Per Unit
Dualsource LED meter CI1	WL4040100000	5475
Dualsource LED meter CI1 with RS485	WL4040110000	6440
Dualsource LED meter CI0.5	WL4040200000	6505
Dualsource LED meter CI0.5 with RS485	WL4040210000	7620
Dualsource LCD meter CI1	WC4040100000	6025
Dualsource LCD meter CI1 with RS485	WC4040110000	7005
Dualsource LCD meter CI0.5	WC4040200000	7060
Dualsource LCD meter CI0.5 with RS485	WC4040210000	8085

Basic Multifunction Meters [9030]

4400 Series

Features

- › Accuracy Class 1.0, 0.5
- › Input voltage measurement range 50-520 VAC
- › Aux supply 80-300 VAC/DC
- › CT secondary site selectable 1A / 5A
- › Flush mounting 96 x 96 mm
- › CT/PT site programmable
- › True PF or Displacement PF site selectable
- › V, A, F, PF, kW, kVA, Old energy, Load hours, site selectable kWh/ kVAh



LCD offers better readability
of parameters

Description	Cat. No.	M.R.P. (₹) Per Unit
MFM 4400 LED meter CI 1	WL4400100000	5250
MFM 4400 LED meter CI 1 with RS485	WL4400110000	6060
MFM 4400 LED meter CI 0.5 with RS485	WL4400210000	6965
MFM 4400 LED meter CI 0.5S with RS485	WL4400310000	7040
MFM 4400 LCD meter CI 1	WC4400100000	5525
MFM 4400 LCD meter CI 1 with RS485	WC4400110000	6410

Basic Multifunction Meters [9030]

4405 Series

Features

- › Accuracy Class 1.0, 0.5
- › Input voltage measurement range 50-520 VAC
- › Aux supply 80-300 VAC/DC
- › CT secondary site selectable 1A / 5A
- › Flush mounting 96 x 96 mm
- › CT/PT site programmable
- › V, A, F, PF, kW, kVA, Old energy, On and Run hours, site selectable kWh/ kVAh
- › True PF or Displacement PF site selectable

All parameters
of 4400 series
in 3 line
LED display



Description	Cat. No.	M.R.P. (₹) Per Unit
MFM 4405 LED meter CI 1	WL4405100000	6790
MFM 4405 LED meter CI 1 with RS485	WL4405110000	7665
MFM 4405 LED meter CI 0.5 with RS485	WL4405210000	8815
MFM 4405 LED meter CI 0.5S with RS485	WL4405310000	8880

Multifunction Meters [9030]

Features

- › Accuracy Class 1.0, 0.5, 0.5S, 0.2, 0.2S
- › Input voltage measurement range 50-520 VAC (P-P)
- › Aux supply 80-300 VAC/DC
- › CT secondary site selectable 1A / 5A
- › Flush mounting 96 x 96 mm
- › CT/PT site programmable
- › 128 samples / cycle
- › My favourite page in LCD multifunction meters site selectable for kWh + 2 parameters
- › Dedicated buttons available for direct access to Basic, Power and Energy parameters

True and
Displacement
PF available

Constant Wh viewing in LCD
MFM even in auto scroll mode.
LCD offers better readability
of parameters



4410 Series

- › Parameters: V, A, F, PF, kW, kVA, kVAR, kWh, kVAh, kVARh, Runhours, On hours, Phase angle, Interrupts, THD, Events (High-Low), Neutral Current, K Factor

Description	Cat. No.	M.R.P. (₹) Per Unit
MFM 4410 LED meter CI 1	WL4410100000	9835
MFM 4410 LED meter CI 1 with RS485	WL4410110000	11050
MFM 4410 LED meter CI 0.5 with RS485	WL4410210000	12705
MFM 4410 LED meter CI 0.5S with RS485	WL4410310000	14045
MFM 4410 LED meter CI 0.2 with RS485	WL4410410000	16715
MFM 4410 LED meter CI 0.2S with RS485	WL4410510000	21395
MFM 4410 LCD meter CI 1	WC4410100000	11560
MFM 4410 LCD meter CI 1 with RS485	WC4410110000	12370
MFM 4410 LCD meter CI 0.5 with RS485	WC4410210000	14430
MFM 4410 LCD meter CI 0.5S with RS485	WC4410310000	15810
MFM 4410 LCD meter CI 0.2 with RS485	WC4410410000	18560
MFM 4410 LCD meter CI 0.2S with RS485	WC4410510000	23365

Multifunction Meters [9030]

4420 Series Max Demand Indicator (without Real time clock)

Parameters

- › All parameters of 4410 series
- › Maximum Demand (kW & kVA)

Standard
2 Relay outputs
for MD Alarm

Description	Cat. No.	M.R.P. (₹) Per Unit
MFM 4420 LED meter CI 1	WL4420100000	14480
MFM 4420 LED meter CI 1 with RS485	WL4420110000	15545
MFM 4420 LED meter CI 0.5 with RS485	WL4420210000	17060
MFM 4420 LED meter CI 0.5S with RS485	WL4420310000	18375
MFM 4420 LED meter CI 0.2 with RS485	WL4420410000	21000
MFM 4420 LED meter CI 0.2S with RS485	WL4420510000	25595
MFM 4420 LCD meter CI 1	WC4420100000	16585
MFM 4420 LCD meter CI 1 with RS485	WC4420110000	17760
MFM 4420 LCD meter CI 0.5 with RS485	WC4420210000	19250
MFM 4420 LCD meter CI 0.5S with RS485	WC4420310000	20620
MFM 4420 LCD meter CI 0.2 with RS485	WC4420410000	23365
MFM 4420 LCD meter CI 0.2S with Rs485	WC4420510000	28190

For Max Demand Controller (with Real time clock) please refer 6000 series

4425 Series MFM for Import-Export New

Parameters

- › All parameters of 4420 series with Bi-directional (Import-Export)
- › Demand parameters with Individual Harmonics up to 31st order
- › Ethernet port for communication

Description	Cat. No.	M.R.P. (₹) Per Unit
MFM 4425 LED meter I/E CI 1 with Ethernet	WL4425120000	20115
MFM 4425 LED meter I/E CI 0.5s with Ethernet	WL4425320000	23775
MFM 4425 LED meter I/E CI 0.2S with Ethernet	WL4425520000	26820

4430 Series MFM for Import-Export

Parameters

- › All parameters of Model 4420 series
- › Bi-directional (Import-Export)

Standard
2 Relay outputs
for MD Alarm

Description	Cat. No.	M.R.P. (₹) Per Unit
MFM 4430 LED meter CI 1	WL4430100000	20325
MFM 4430 LED meter CI 1 with RS485	WL4430110000	21195
MFM 4430 LED meter CI 0.5 with RS485	WL4430210000	22490
MFM 4430 LED meter CI 0.5S with RS485	WL4430310000	23740
MFM 4430 LED meter CI 0.2 with RS485	WL4430410000	26245
MFM 4430 LED meter CI 0.2S with RS485	WL4430510000	30620
MFM 4430 LCD meter CI 1	WC4430100000	21605
MFM 4430 LCD meter CI 1 with RS485	WC4430110000	22440
MFM 4430 LCD meter CI 0.5 with RS485	WC4430210000	23740
MFM 4430 LCD meter CI 0.5S with RS485	WC4430310000	24995
MFM 4430 LCD meter CI 0.2 with RS485	WC4430410000	27490
MFM 4430 LCD meter CI 0.2S with RS485	WC4430510000	31870

4440 Series

Parameters

- › All parameters of 4410 series
- › Maximum Demand with Real Time Clock (RTC)
- › Events (high-low) with time stamp

Description	Cat. No.	M.R.P. (₹) Per Unit
MFM 4440 LED meter CI 1 with RS485	WL4440110000	17255
MFM 4440 LED meter CI 0.5 with RS485	WL4440210000	19395
MFM 4440 LED meter CI 0.2 with RS485	WL4440410000	23715
MFM 4440 LCD meter CI 1 with RS485	WC4440110000	18695
MFM 4440 LCD meter CI 0.2 with RS485	WC4440210000	20840
MFM 4440 LCD meter CI 0.2 with RS485	WC4440410000	25155

Advanced Multifunction Meters [9030]

5000 Series

Features

- › Datalog (8 MB)
- › Bi-directional (Import - Export)
- › 128 samples/ cycle
- › Analog I/O, digital I/O variants available
- › Meter with Ethernet port available

True and
Displacement
PF available

Parameters

- › V, A, F, kW, KVA, kVAh, kWh, kVAh, kVAh, PF, Runhr, Onhr, Interrupts, Phase angle, THD, Neutral current, Max Demand (with RTC) K Factor
- › Bi-directional (Import-Export)
- › Events (high-low) with time stamp
- › Individual Harmonics upto 31st.
- › My favourite page in LCD multifunction meters site selectable for kWh + 2 parameters

Constant Wh viewing in LCD MFM even in auto scroll mode. LCD offers better readability of parameters



Description	Cat. No.	M.R.P. (₹) Per Unit
MFM 5000 LED meter CI 1 with RS485	WL5000110000	40080
MFM 5000 LED meter CI 1 with Ethernet	WL5000120000	45545
MFM 5000 LED meter CI 0.5 with Ethernet	WL5000220000	47495
MFM 5000 LED meter CI 0.5S with Ethernet	WL5000320000	48805
MFM 5000 LCD meter CI 1 with RS485	WC5000110000	41400
MFM 5000 LCD meter CI 1 with Ethernet	WC5000120000	46850
MFM 5000 LCD meter CI 0.5 with RS485	WC5000210000	43335
MFM 5000 LCD meter CI 0.5S with RS485	WC5000310000	44645
MFM 5000 LCD meter CI 0.5 with Ethernet	WC5000220000	48805
MFM 5000 LCD meter CI 0.5S with Ethernet	WC5000320000	50095
MFM 5000 LCD meter CI 0.2 with RS485	WC5000410000	47240
MFM 5000 LCD meter CI 0.2S with RS485	WC5000510000	51795
MFM 5000 LED meter CI 1 RS485 2A/O	WL5000110B00	Price on request
MFM 5000 LED meter CI 0.5 RS485 2D/I	WL50002100B0	
MFM 5000 LED meter CI 0.5 RS485 4D/O	WL50002100OD	
MFM 5000 LCD meter CI 1 RS485 2A/O	WC5000110B00	
MFM 5000 LCD meter CI 0.5 RS485 2D/I	WC50002100B0	
MFM 5000 LCD meter CI 0.5 RS485 4D/O	WC50002100OD	
MFM 5000 LCD meter CI 1 + RS485, 1AO, 1DO	WC5000110AOA	

5000 series with Digital outputs are preconfigured for

I - THD% at 8% and True PF at 0.98.

Meter can be site selected for parameters and values - A THD, V THD, VA, W, under PF, under/over (VLL, A, F) with programmable trip time (1 to 180 sec) to protect the equipments from electrical abnormalities.

Parameters	Data Log Interval			
	15 Min	30 Min	45 Min	60 Min
	No. of Days			
1	10230	20460	30690	40920
2	6820	13640	20460	27280
4	4092	8184	12276	16368
9	2046	4092	6138	8184
14	1364	2728	4092	5456
29	682	1364	2046	2728

Advanced Multifunction Meters [9030]

5010 Series

Features

- > 128 samples / cycle
- > Running demand, max demand, prediction demand in single page window

Parameters

- > V, A, F, kW, KVA, kVAR, kWh, kVAh, kVAh, PF, Runhr, Onhr, Interrupts, Phase angle, THD, Neutral current, Max Demand (with RTC)
- > Bi-directional (Import-Export)
- > Events (high-low) with time stamp
- > Individual Harmonics upto 31st.

True and Displacement PF available



Description	Cat. No.	M.R.P. (₹) Per Unit
MFM 5010 LED meter CI 1	WL5010100000	15430
MFM 5010 LED meter CI 1 with RS485	WL5010110000	16095
MFM 5010 LED meter CI 0.5S	WL5010300000	18980
MFM 5010 LED meter CI 0.5S with RS485	WL5010310000	20030
MFM 5010 LED meter CI 0.2 with RS485	WL5010410000	22140

Maximum Demand Controller [9030]

6000 Series

Features

- > Accuracy Class 1.0, 0.5S
- > Input voltage measurement range 50-520 VAC (P-P)
- > Aux supply 80-300 VAC/DC
- > CT secondary site selectable 1A / 5A
- > Flush mounting 96 x 96 mm
- > CT/PT site programmable
- > Datalog (8MB)
- > 4 relay outputs for Max. demand controller
- > Time of Day (TOD) 6 slots available
- > Block/sliding window site selectable
- > Running demand, max demand, prediction demand in single page window
- > Individual harmonics upto 31st.

8MB Datalog - Configurable for 29 parameters including kWh, Demand and Harmonics for Minimum 1 mins interval

Parameters

- > V, A, F, kW, KVA, kVA, kWh, kVAh, kVAh, PF, Runhr, Onhr, Intr, Phase angle, THD, Events, Neutral current, Max Demand (with RTC)



True and Displacement PF available

Description	Cat. No.	M.R.P. (₹) Per Unit
MDC 6000 LED meter CI 1 with RS485	WL6000110000	35565
MDC 6000 LED meter CI 0.5S with RS485	WL6000310000	38985
MDC 6000 LCD meter CI 1 with RS485	WC6000110000	36925
MDC 6000 LCD meter CI 0.5S with RS485	WC6000310000	40350

Power Quality Meter Range [9030]

WC7000 – Power Quality Monitor ^{NEW}

Parameters

- > 512 samples/cycle with Class 0.2s accuracy as per IEC 62053-22
- > LCD display with 4-digit instantaneous & 8-digit integrated readings
- > Dual Communication Port (RS485 + Ethernet) with Web Server
- > PQ Parameters Recording & monitoring like THD, TDD, Harmonics (up to 61st order), Sag, Swell & Interruption.
- > USB Port for Downloading Data Log
- > TOU with up to 8 slots
- > Standard 2DI & 2DO



Description	Cat. No.	M.R.P. (₹) Per Unit
PQM 7000 LCD CI 0.2s RS485+Eth DL, sag+swell	WC70005300BB	Price on request

WC8000 – Power Quality Analyzer ^{NEW}

Parameters

- > 1024 samples/cycle with Class 0.2s accuracy as per IEC 62053-22
- > Class A metering as per IEC 61000-4-30
- > 5.0" Color TFT with capacitive touch
- > PQ Parameters Recording & monitoring like THD, TDD, Odd, Even & Inter Harmonics (up to 127st order), Sag, Swell, Transient, Flicker, RVC & Interruption.
- > USB port for data log download as well as Event Data in CommTrade Format
- > Dual Communication Port (RS485 + Ethernet) with Web Server
- > MQTT, SMTP, SNTP protocols for secured cloud publishing
- > Report Generation - IEC 61000 - 4 - 30, IEEE 519, EN 50610, ITIC/CBEMA Curve



Description	Cat. No.	M.R.P. (₹) Per Unit
PQA 8000 Class A TFT CI 0.2s RS485+Eth DL	WC8000530000	Price on request

Gateways and converters form the backbone of interconnected networks, and are a crucial link between our devices and cloud-based or on-premises software. They facilitate seamless communication, protocol translation, and data aggregation from various type of devices, enabling efficient data transmission and integration.

TG1000

- › Modbus RS485 to MODBUS TCP/IP Gateway
- › Easy integration with SmartComm EMS/PMS On-prem or 3rd party Software/HMI



MQ1000 *

- › MQTT Gateway with Ethernet port
- › Only Compatible with SmartComm EMS Cloud
- › Compact & Secure
- › Data storage in case of network failure
- › Web browser-based configuration



Description	Cat. No.	M.R.P. (₹) Per Unit
MODBUS RTU to TCP/IP Gateway	TG10000000	22000

MQ2000 *

- › 4G IoT Gateway with Sim Card (Modbus RS485 and MQTT support)
- › Only Compatible with SmartComm EMS Cloud, SmartComm Operate and SmartComm IMS
- › Compact & Secure
- › Data storage in SD Card in case of network failure
- › 4G with 2G fall back cellular connectivity



XR SERIES *

- › 4G IoT Gateway with Dual Sim (Modbus RS485, Modbus TCP/IP and MQTT support)
- › Only Compatible with SmartComm Operate
- › Advanced VPN Routing
- › Wide range of Industrial protocols support: IEC60870-5-101 Master / Slave , IEC 60870-5-104 Master / Slave , IEEE 62056-21 DLMS , DNP3 Slave



Thermal Monitoring Module

TMZ *

- › Monitor temperature remotely
- › Wireless monitoring of 8 critical joints in a switchboard with a single module
- › Quick Installation and seamless Monitoring



ZG1000 *

Only Compatible with TMZ

- › IEEE 802.15.4 to Modbus TCP/IP Gateway
- › Built-in webpages for ease of monitoring and multi-client support
- › Integrates with SmartComm PMS/HMI/any 3rd party software on the Modbus TCP/IP side



*For more details, please contact the nearest branch office

SMARTCOMM Edge

Wireless Thermal Monitoring
Insight into Every Critical Joint in a Switchboard

Anytime Anywhere

Simplifying
AUTOMATION

Tailoring for
YOU



Explore automation solutions tailored for your business. Our industry expertise and solution-centric approach deliver measurable value across diverse industries and geographies.



Our Automation Portfolio : AC Drives, Soft Starters, PLCs, HMIs, & SCADA

Customer Interaction Center (CIC)

Phone no.: 022-6932 7800

Web: www.LK-EA.com | E-mail: CIC@LK-EA.com

Scan to enquire



xD1000 Range : 0.37kW HD to 30kW ND

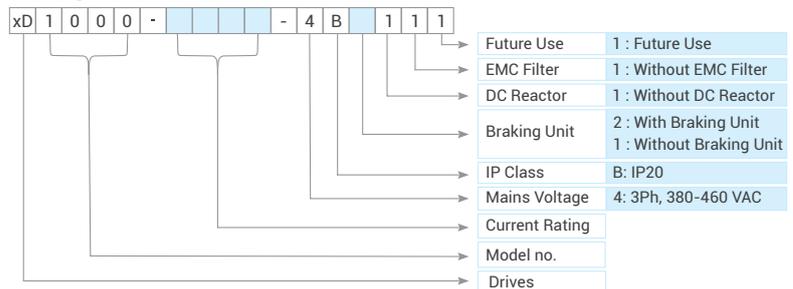


- › Rated @ 55°C (HD), @ 50°C (ND)
- › Transient overtorque 170%~200%
- › 4 DIs, 2 DOs, 1AI, 1AO
- › Inbuilt PID with 4 Preset PID references, Sleep & Wakeup, Predictive speed
- › Auxiliary Pump control
- › Catch on the Fly
- › Skip Frequency
- › Automatic Restart
- › Stall Prevention
- › Current limiting function

Input Voltage	Description	Cat. No.	Frame Size	M.R.P. (₹) Per Unit
Three Phase 415 VAC	xD1000 415V Drive 0.37kW(HD)	XD1000-01P5-4B1111	S1	*
	xD1000 415V Drive 0.75kW(HD)	XD1000-02P3-4B1111	S1	*
	xD1000 415V Drive 1.50kW(HD)	XD1000-04P1-4B2111	S2	*
	xD1000 415V Drive 2.20kW(HD)	XD1000-05P5-4B2111	S2	*
	xD1000 415V Drive 3.00kW(HD)/4.00kW(ND)	XD1000-08P9-4B2111	S3	*
	xD1000 415V Drive 4.00kW(HD)/5.50kW(ND)	XD1000-12P1-4B2111	S3	*
	xD1000 415V Drive 5.50kW(HD)/7.50kW(ND)	XD1000-16P0-4B2111	S3	*
	xD1000 415V Drive 7.50kW(HD)/11.0kW(ND)	XD1000-22P8-4B2111	S4	*
	xD1000 415V Drive 11.0kW(HD)/15.0kW(ND)	XD1000-30P0-4B2111	S4	*
	xD1000 415V Drive 15.0kW(HD)/18.5kW(ND)	XD1000-36P0-4B2111	S5	*
xD1000 415V Drive 18.5kW(HD)/22.0kW(ND)	XD1000-43P0-4B2111	S5	*	
xD1000 415V Drive 22.0kW(HD)/30.0kW(ND)	XD1000-60P0-4B2111	S6	*	

Note: * For prices please contact nearest branch office

Ordering Information for xD1000 AC Drive



xD2000 Range : 0.37kW HD to 160kW ND



- › Suitable for non-regenerative applications
- › Rated for -15 to 45°C HD as well as ND ratings
- › Inbuilt EMC filter with Category C3 EMC levels
- › Inbuilt DC reactor from 4 kW to 160kW
- › Inbuilt detachable LCD keypad
- › 6 DIs, 3 ROs, 3 AIs, 2 AOs
- › External 24 VDC connection to keep control circuit alive during power outage
- › Pump and Compressor specific functions
- › 2 functions to one DI
- › Torque Boost (IR Compensation)
- › Slip Compensation
- › Auto Tuning
- › Decel. Ramp Adaptation
- › 16 Preset speeds
- › Skip (Jump) Frequency
- › Current Limitation
- › DC Braking / Stop
- › Freewheel Stop & Fast Stop

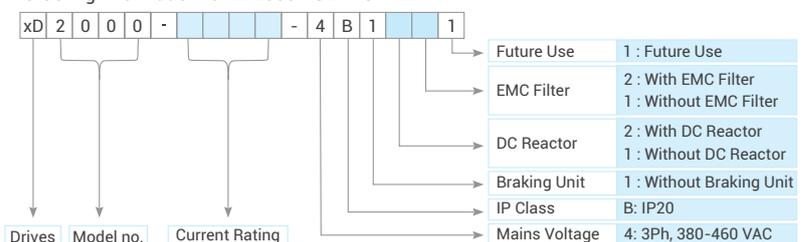
Input Voltage	Description	Cat. No.	Frame Size	M.R.P. (₹) Per Unit
Three Phase 415 VAC	XD2000 415V Drive 0.37kW(HD)/0.75kW(ND)	XD2000-02P2-4B1121	S1	*
	XD2000 415V Drive 0.75kW(HD)/1.50kW(ND)	XD2000-04P0-4B1121	S1	*
	XD2000 415V Drive 1.50kW(HD)/2.20kW(ND)	XD2000-05P6-4B1121	S1	*
	XD2000 415V Drive 2.20kW(HD)/3.00kW(ND)	XD2000-07P2-4B1121	S1	*
	XD2000 415V Drive 3.00kW(HD)/4.00kW(ND)	XD2000-09P3-4B1221	S1	*
	XD2000 415V Drive 4.00kW(HD)/5.50kW(ND)	XD2000-12P7-4B1221	S1	*
	XD2000 415V Drive 5.50kW(HD)/7.50kW(ND)	XD2000-15P8-4B1221	S1	*
	XD2000 415V Drive 7.50kW(HD)/11.0kW(ND)	XD2000-23P5-4B1221	S2	*
	XD2000 415V Drive 11.0kW(HD)/15.0kW(ND)	XD2000-31P7-4B1221	S2	*
	XD2000 415V Drive 15.0kW(HD)/18.5kW(ND)	XD2000-39P2-4B1221	S3	*
	XD2000 415V Drive 18.5kW(HD)/22.0kW(ND)	XD2000-46P3-4B1221	S3	*
	XD2000 415V Drive 22.0kW(HD)/30.0kW(ND)	XD2000-61P5-4B1221	S4	*
	XD2000 415V Drive 30.0kW(HD)/37.0kW(ND)	XD2000-74P5-4B1221	S4	*
	XD2000 415V Drive 37.0kW(HD)/45.0kW(ND)	XD2000-88P0-4B1221	S4	*
	XD2000 415V Drive 45.0kW(HD)/55.0kW(ND)	XD2000-120P-4B1221	S5	*
	XD2000 415V Drive 55.0kW(HD)/75.0kW(ND)	XD2000-145P-4B1221	S5	*
	XD2000 415V Drive 75.0kW(HD)/90.0kW(ND)	XD2000-173P-4B1221	S5	*
	XD2000 415V Drive 90.0kW(HD)/110kW(ND)	XD2000-211P-4B1221	S6	*
	XD2000 415V Drive 110kW(HD)/132kW(ND)	XD2000-250P-4B1221	S6	*
XD2000 415V Drive 132kW(HD)/160kW(ND)	XD2000-302P-4B1221	S6	*	

Note:

* For prices please contact nearest branch office

Drives are covered under HS code 8504 40 90 and are charged at 18% GST.

Ordering Information for xD2000 AC Drive





Electrical & Automation

xD4000 IP55 DRIVE

COMPLYING TO IEC 60529
RANGE: 0.75kW ND TO 11kW ND



BUILDING



FOOD & BEVERAGES



MINING, METAL,
& MINERALS



TEXTILE



PHARMA



WASTE WATER
TREATMENT



Robust Protection

Designed for dusty, humid, and indoor industrial environments



Eliminates External Enclosure

Integrated DC choke, EMC filter & DBU. Reduced wiring, installation time & footprint



Cost & Time Saving

Eliminating the external VFD panel reducing both installation time and system cost



Digital-Architecture Ready

Modbus RTU, Modbus TCP/Ethernet IP, Profibus DP & Profinet S2 redundancy

xD4000

Range : 0.37kW HD to 315kW ND



- › Detachable 8 line Graphical LCD keypad with battery for RTC & Help Menu
- › Rated for -10 to 50°C ambient temperature
- › Inbuilt DC Reactor over entire range
- › Inbuilt EMC filter entire range for EMC levels C2 / C3
- › Inbuilt Dual port Ethernet IP / Modbus TCP & Modbus RS485 ports
- › Inbuilt Braking transistor upto 160kW HD.
- › 8 Dis, 4 DOs, 3 AIs, 2 AOs, 2 STO inputs
- › Crane specific functions
- › Pump specific functions
- › Line & Output Contactor control
- › Load Sharing, Speed – Torque master slave
- › Multi-motor configuration Mode
- › Automatic Restart
- › Catch on the fly (Flying Start)
- › Fault Inhibition / Error detect disabling (Fire Mode)
- › 15 nos. trip histories with date and time Stamp

Input Voltage	Description	Cat. No.	Frame Size	M.R.P. (₹) Per Unit
Three Phase 415 VAC	XD4000 415V Drive 0.37kW(HD)/0.75kW(ND)	XD4000-02P2-4C2221	S1	*
	XD4000 415V Drive 0.75kW(HD)/1.50kW(ND)	XD4000-04P0-4C2221	S1	*
	XD4000 415V Drive 1.50kW(HD)/2.20kW(ND)	XD4000-05P6-4C2221	S1	*
	XD4000 415V Drive 2.20kW(HD)/3.00kW(ND)	XD4000-07P2-4C2221	S1	*
	XD4000 415V Drive 3.00kW(HD)/4.00kW(ND)	XD4000-09P3-4C2221	S1	*
	XD4000 415V Drive 4.00kW(HD)/5.50kW(ND)	XD4000-12P7-4C2221	S1	*
	XD4000 415V Drive 5.50kW(HD)/7.50kW(ND)	XD4000-16P5-4C2221	S2	*
	XD4000 415V Drive 7.50kW(HD)/11.0kW(ND)	XD4000-23P5-4C2221	S2	*
	XD4000 415V Drive 11.0kW(HD)/15.0kW(ND)	XD4000-31P7-4C2221	S3	*
	XD4000 415V Drive 15.0kW(HD)/18.5kW(ND)	XD4000-39P2-4C2221	S3	*
	XD4000 415V Drive 18.5kW(HD)/22.0kW(ND)	XD4000-46P3-4C2221	S3	*
	XD4000 415V Drive 22.0kW(HD)/30.0kW(ND)	XD4000-61P5-4C2221	S4	*
	XD4000 415V Drive 30.0kW(HD)/37.0kW(ND)	XD4000-74P5-4C2221	S4	*
	XD4000 415V Drive 37.0kW(HD)/45.0kW(ND)	XD4000-88P0-4C2221	S4	*
	XD4000 415V Drive 45.0kW(HD)/55.0kW(ND)	XD4000-106P-4C2221	S5	*
	XD4000 415V Drive 55.0kW(HD)/75.0kW(ND)	XD4000-145P-4C2221	S5	*
	XD4000 415V Drive 75.0kW(HD)/90.0kW(ND)	XD4000-173P-4C2221	S5	*
	XD4000 415V Drive 90.0kW(HD)/110kW(ND)	XD4000-211P-4B2221	S6	*
	XD4000 415V Drive 110kW(HD)/132kW(ND)	XD4000-250P-4B2221	S6	*
	XD4000 415V Drive 132kW(HD)/160kW(ND)	XD4000-302P-4B2221	S6	*
	XD4000 415V Drive 160kW(HD)/220kW(ND)	XD4000-427P-4A2221	S7A	*
	XD4000 415V Drive 200kW(HD)/250kW(ND)	XD4000-481P-4A1221	S7B	*
	XD4000 415V Drive 250kW(HD)/315kW(ND)	XD4000-616P-4A1221	S7B	*
	XD4000 IP55 415V Drive 0.75kW(ND)	XD4000-02P2-4S2221	S1	*
	XD4000 IP55 415V Drive 1.50kW(ND)	XD4000-04P0-4S2221	S1	*
	XD4000 IP55 415V Drive 2.20kW(ND)	XD4000-05P6-4S2221	S1	*
	XD4000 IP55 415V Drive 3.00kW(ND)	XD4000-07P2-4S2221	S1	*
	XD4000 IP55 415V Drive 4.00kW(ND)	XD4000-09P3-4S2221	S1	*
	XD4000 IP55 415V Drive 5.50kW(ND)	XD4000-12P7-4S2221	S1	*
	XD4000 IP55 415V Drive 7.50kW(ND)	XD4000-16P5-4S2221	S2	*
	XD4000 IP55 415V Drive 11.0kW(ND)	XD4000-23P5-4S2221	S2	*

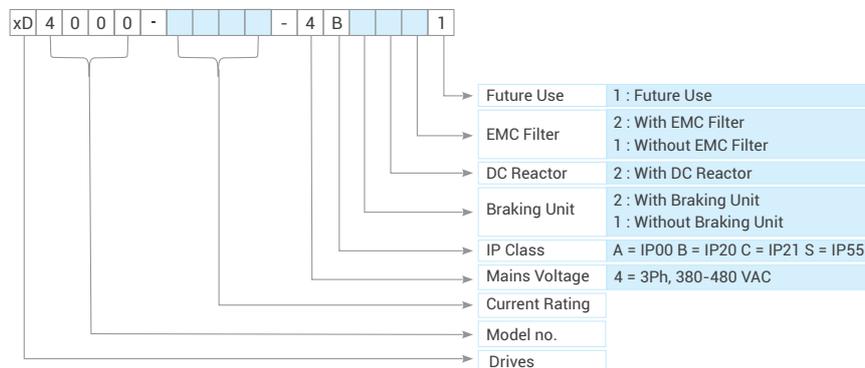
Note: * For prices please contact nearest branch office

xD4000 - IP55 with Inbuilt Power Disconnector

Range : 0.75kW ND to 11kW ND

- › IP55 Complying to IEC 60529
- › Built-In IP65 Graphical LCD Display with RTC
- › Supports Asynchronous, PM synchronous & reluctance motors
- › Built-in DC reactor & C2/C3 EMC filter for Harmonics & Noise reduction.
- › Built-in dynamic braking unit.
- › Starting Torque of 150% at 3Hz for V/f
- › Built-in Brake Control & Macros
- › Inbuilt PID with sleep & wake up feature
- › Conformal coating complying to IEC 60721-3-3 class 3C3, 3S2 & 3M3
- › Built-in RS 485 Modbus RTU & Modbus TCP/Ethernet IP communication and optional – Profinet S2 redundancy & Profibus

Ordering Information for xD4000 AC Drive



Accessories for AC Drives [8504]

Drive Model	Description	Cat. No.	M.R.P. (₹) Per Unit
xD1000	IP54 LED Remote Keypad	XDOP-DOP-100	*
xD2000	IP21 LCD Std. Graphical Keypad	XDOP-DOP-300	*
	Remote Mounting Kit for IP21 LCD Keypad	XDKT-DOP-300	*
	IP65 LCD Graphical Keypad	XDOP-DOP-500	*
	Mounting kit for IP65 LCD Keypad	XDKT-DOP-500	*
	IO Expansion Card-1 - 6DI,2DO,2AI	XDIO-EX1-V01	*
	IO Expansion Card-2 - 3RO	XDIO-EX2-V01	*
	Profibus-DP Comm. Card	XDCI-PDP-V01	*
xD3000	IP54 LED Remote Keypad	XDOP-DOP-100	*
	IP65 LCD Graphical Keypad	XDOP-DOP-500	*
	Mounting kit for IP65 LCD Keypad	XDKT-DOP-500	*
	Communication Option Module Adapter	XDKT-ADP-V01	*
	Speed Monitoring Card	XDEN-SPD-V01	*
	Modbus TCP/EtherNet IP Comm. Card	XDCI-ETH-V01	*
	EtherCAT Comm. Card	XDCI-ECT-V01	*
	Profibus-DP Comm. Card	XDCI-PDP-V01	*
	DeviceNet Comm. Card	XDCI-DEN-V01	*
	POWERLINK Comm. Card	XDCI-PLN-V01	*
	ProfiNet Comm. Card	XDCI-PFN-V01	*
	CANopen DaisyChain Comm. Card	XDCI-CND-V01	*
	CANopen SUB-D Comm. Card	XDCI-CNS-V01	*
	CANopen Terminals Comm. Card	XDCI-CNT-V01	*
	Additional Safety Integrity Module	XDSI-SIM-V01	*
xD4000	IP65 LCD Graphical Keypad	XDOP-DOP-500	*
	Mounting kit for IP65 LCD Keypad	XDKT-DOP-500	*
	IO Expansion Card-1 - 6DI,2DO,2AI	XDIO-EX1-V01	*
	IO Expansion Card-2 - 3RO	XDIO-EX2-V01	*
	Digital Encoder Interface Card	XDEN-DEI-V01	*
	Analog Encoder Interface Module	XDEN-AEI-V01	*
	Resolver Interface Module	XDEN-REI-V01	*
	HTL Encoder Interface Module	XDEN-HEI-V01	*
	Profibus-DP Comm. Card	XDCI-PDP-V01	*
	DeviceNet Comm. Card	XDCI-DEN-V01	*
	POWERLINK Comm. Card	XDCI-PLN-V01	*
	ProfiNet Comm. Card - Redundant	XDCI-PFN-V02	*
	CANopen DaisyChain Comm. Card	XDCI-CND-V01	*
	CANopen SUB-D Comm. Card	XDCI-CNS-V01	*
	CANopen Terminals Comm. Card	XDCI-CNT-V01	*

Note:

* For prices please contact nearest branch office
Drives are covered under HS code 8504 40 90 and are charged at 18% GST.

xS1000 Soft Starters

Range: 18A to 200A



xS1000 Soft Starters: For Standard Applications

- › Inbuilt Bypass Contactor
- › Soft Start / Soft Stop
- › Compact in size
- › Truly plug & play
- › Communication options available

Description	Cat. No.	M.R.P. (₹) Per Unit	Bypass Contactor
xS1000,18A,M:200-440VAC,C:110/230-440VAC	XS1000-0018-B44111	*	Built - In
xS1000,34A,M:200-440VAC,C:110/230-440VAC	XS1000-0034-B44111	*	
xS1000,42A,M:200-440VAC,C:110/230-440VAC	XS1000-0042-B44111	*	
xS1000,48A,M:200-440VAC,C:110/230-440VAC	XS1000-0048-B44111	*	
xS1000,60A,M:200-440VAC,C:110/230-440VAC	XS1000-0060-B44111	*	
xS1000,75A,M:200-440VAC,C:110/230-440VAC	XS1000-0075-B44111	*	
xS1000,85A,M:200-440VAC,C:110/230-440VAC	XS1000-0085-B44111	*	
xS1000,100A,M:200-440VAC,C:110/230-440VAC	XS1000-0100-B44111	*	
xS1000,140A,M:200-440VAC,C:110/230-440VAC	XS1000-0140-B44111	*	
xS1000,170A,M:200-440VAC,C:110/230-440VAC	XS1000-0170-B44111	*	
xS1000,200A,M:200-440VAC,C:110/230-440VAC	XS1000-0200-B44111	*	

xS2000 Soft Starters

Range: 18A to 200A



xS2000 Soft Starters: For standard applications

- › Inbuilt Bypass Contactor
- › Soft start / Soft stop / Adjustable current limit
- › Essential motor protections against
 - › Overload
 - › Single phasing
 - › Instantaneous overcurrent
 - › Phase sequence reversal
 - › Abnormality in supply
 - › Unbalanced current
- › Thermistor protection through PTC
- › Excess start time setting
- › Communication options available
- › PC Interface as optional

Description	Cat. No.	M.R.P. (₹) Per Unit	Bypass Contactor
xS2000,18A,M:200-440VAC,C:110/230-440VAC	XS2000-0018-B44111	*	Built - In
xS2000,34A,M:200-440VAC,C:110/230-440VAC	XS2000-0034-B44111	*	
xS2000,42A,M:200-440VAC,C:110/230-440VAC	XS2000-0042-B44111	*	
xS2000,48A,M:200-440VAC,C:110/230-440VAC	XS2000-0048-B44111	*	
xS2000,60A,M:200-440VAC,C:110/230-440VAC	XS2000-0060-B44111	*	
xS2000,75A,M:200-440VAC,C:110/230-440VAC	XS2000-0075-B44111	*	
xS2000,85A,M:200-440VAC,C:110/230-440VAC	XS2000-0085-B44111	*	
xS2000,100A,M:200-440VAC,C:110/230-440VAC	XS2000-0100-B44111	*	
xS2000,140A,M:200-440VAC,C:110/230-440VAC	XS2000-0140-B44111	*	
xS2000,170A,M:200-440VAC,C:110/230-440VAC	XS2000-0170-B44111	*	
xS2000,200A,M:200-440VAC,C:110/230-440VAC	XS2000-0200-B44111	*	

Note:

* For prices please contact nearest branch office

The above xS1000 & xS2000 ratings are based on 400% starting current, 10 starts per hour up to 60A & 6 starts per hour for 75A & above, 6 seconds starting time and ambient temperature of 40°C.

For proper sizing of soft starter based on the application parameters please use Winstart Software.

Ordering Information for xS1000 & xS2000 Series Soft Starter

xS nnnn - 1234 - B V C D F F

xS	Soft starters
nnnn	Soft starter Name
	1000 xS1000 2000 xS2000
1234	Current Rating
	1234 Nominal Current Rating
B	Bypass Type
	B Internal Bypass
V	Mains Voltage
	4 3Ph, 200-440VAC
	5 3Ph, 200-575VAC
C	Control Voltage
	1 24V AC/DC 4 110/230-440V AC
D	Graphical Display
	1 No Graphical Display
F	Future Use
	1 Future Use
F	Future Use
	1 Future Use

We recommend the use of:

1. Line Contactor : This will isolate and protect the soft starter SCR's from any voltage transient while it's not in operation.
2. Bypass Contactor (For models without built-in bypass) : This will bypass and protect the soft starter SCR's while in running state from Current and Voltage transient's.
3. Semiconductor fuses : This will protect the starter SCR's during starting and stopping states from current transient's and excess I²T.

Note:

* For prices please contact nearest branch office

Soft Starters are covered under HSN code 8504 40 90 and are charged at 18% GST.

xS3000 Soft Starters

Range: 24A to 580A



- › Built in bypass contactor
- › Compact & Flexible Design
- › Screw-less design for easy and fast servicing
- › USB port for easy and fast commissioning and data extraction
- › Full graphical display with multi-languages support
- › Built-in Simulation Mode
- › 384 event logs
- › Communication options available
- › Fire Mode Function
- › Starts per hour count

Description	Cat. No.	M.R.P. (₹) Per Unit	Bypass Contactor
xS3000,24A,M:200-525VAC,C:110/220VAC	XS3000-0024-B52211	*	Built - In
xS3000,42A,M:200-525VAC,C:110/220VAC	XS3000-0042-B52211	*	
xS3000,52A,M:200-525VAC,C:110/220VAC	XS3000-0052-B52211	*	
xS3000,64A,M:200-525VAC,C:110/220VAC	XS3000-0064-B52211	*	
xS3000,69A,M:200-525VAC,C:110/220VAC	XS3000-0069-B52211	*	
xS3000,105A,M:200-525VAC,C:110/220VAC	XS3000-0105-B52211	*	
xS3000,115A,M:200-525VAC,C:110/220VAC	XS3000-0115-B52211	*	
xS3000,135A,M:200-525VAC,C:110/220VAC	XS3000-0135-B52211	*	
xS3000,184A,M:200-525VAC,C:110/220VAC	XS3000-0184-B52211	*	
xS3000,200A,M:200-525VAC,C:110/220VAC	XS3000-0200-B52211	*	
xS3000,229A,M:200-525VAC,C:110/220VAC	XS3000-0229-B52211	*	
xS3000,250A,M:200-525VAC,C:110/220VAC	XS3000-0250-B52211	*	
xS3000,352A,M:200-525VAC,C:110/220VAC	XS3000-0352-B52211	*	
xS3000,397A,M:200-525VAC,C:110/220VAC	XS3000-0397-B52211	*	
xS3000,410A,M:200-525VAC,C:110/220VAC	XS3000-0410-B52211	*	
xS3000,550A,M:200-525VAC,C:110/220VAC	XS3000-0550-B52211	*	
xS3000,580A,M:200-525VAC,C:110/220VAC	XS3000-0580-B52211	*	

xS4000 Soft Starters

Range: 24A to 1250A



- › Built in bypass contactor
- › Compact & Flexible Design
- › Screw-less design for easy and fast servicing
- › USB port for easy and fast commissioning and data extraction
- › Full graphical display with multi-languages support
- › Real time graphs of motor operating performance
- › 384 event logs with time stamping
- › Advanced protection system
- › Communication options available
- › Smart card for level controlled pump activation and pump protection
- › Under Voltage / Over Voltage protection available
- › Fire Mode Function
- › Starts per hour count
- › Power through function available
- › Scheduling based on RTC

Description	Cat. No.	M.R.P. (₹) Per Unit	Bypass Contactor
xS4000,24A,M:200-525VAC,C:110/220VAC	XS4000-0024-B52211	*	Built - In
xS4000,42A,M:200-525VAC,C:110/220VAC	XS4000-0042-B52211	*	
xS4000,52A,M:200-525VAC,C:110/220VAC	XS4000-0052-B52211	*	
xS4000,64A,M:200-525VAC,C:110/220VAC	XS4000-0064-B52211	*	
xS4000,69A,M:200-525VAC,C:110/220VAC	XS4000-0069-B52211	*	
xS4000,105A,M:200-525VAC,C:110/220VAC	XS4000-0105-B52211	*	
xS4000,115A,M:200-525VAC,C:110/220VAC	XS4000-0115-B52211	*	
xS4000,135A,M:200-525VAC,C:110/220VAC	XS4000-0135-B52211	*	
xS4000,184A,M:200-525VAC,C:110/220VAC	XS4000-0184-B52211	*	
xS4000,200A,M:200-525VAC,C:110/220VAC	XS4000-0200-B52211	*	
xS4000,229A,M:200-525VAC,C:110/220VAC	XS4000-0229-B52211	*	
xS4000,250A,M:200-525VAC,C:110/220VAC	XS4000-0250-B52211	*	
xS4000,352A,M:200-525VAC,C:110/220VAC	XS4000-0352-B52211	*	
xS4000,397A,M:200-525VAC,C:110/220VAC	XS4000-0397-B52211	*	
xS4000,410A,M:200-525VAC,C:110/220VAC	XS4000-0410-B52211	*	
xS4000,550A,M:200-525VAC,C:110/220VAC	XS4000-0550-B52211	*	
xS4000,580A,M:200-525VAC,C:110/220VAC	XS4000-0580-B52211	*	
xS4000,835A,M:200-525VAC,C:110/220VAC	XS4000-0835-B52211	*	
xS4000,940A,M:200-525VAC,C:110/220VAC	XS4000-0940-B52211	*	
xS4000,1070A,M:200-525VAC,C:110/220VAC	XS4000-1070-B52211	*	
xS4000,1230A,M:200-525VAC,C:110/220VAC	XS4000-1230-B52211	*	
xS4000,1250A,M:200-525VAC,C:110/220VAC	XS4000-1250-B52211	*	
xS4000,735A,M:200-525VAC,C:110/220VAC	XS4000-0735-C52211	*	External bypass contactor (AC1 rating) All protections remain active during bypass operation
xS4000,830A,M:200-525VAC,C:110/220VAC	XS4000-0830-C52211	*	
xS4000,1025A,M:200-525VAC,C:110/220VAC	XS4000-1025-C52211	*	
xS4000,1170A,M:200-525VAC,C:110/220VAC	XS4000-1170-C52211	*	
xS4000,1220A,M:200-525VAC,C:110/220VAC	XS4000-1220-C52211	*	

xS nnnn - 1234 - B V C D F F

xS	Soft starters
nnnn	Soft starter Name 3000 xS3000 4000 xS4000
1234	Current Rating 1234 Nominal Current Rating
B	Bypass Type B Internal Bypass C Continuous / External Bypass
V	Mains Voltage 5 3Ph, 200-525VAC 6 3Ph, 380-600VAC 7 3Ph, 380-690VAC

C	Control Voltage
1	24V AC/DC
2	110-120/220-240V AC
D	Graphical Display
2	Fixed Graphical Display
F	Future Use
1	Future Use
F	Future Use
1	Future Use

Note:

* For prices please contact nearest branch office
Prices for 1000V and External Bypass soft starter below 735A available on request Soft Starters are covered under HSN code 8504 40 90 and are charged at 18% GST.

We recommend the use of:

1. Line Contactor : This will isolate and protect the soft starter SCR's from any voltage transient while it's not in operation.
2. Semiconductor fuses : This will protect the starter SCR's during starting and stopping states from current transient's and excess I²T.
3. Bypass Contactor (For models without built-in bypass) : This will bypass and protect the soft starter SCR's while in running state from Current and Voltage transient's.

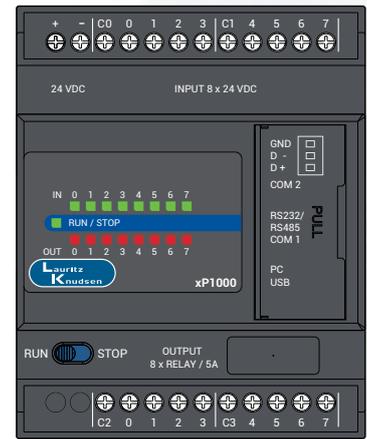
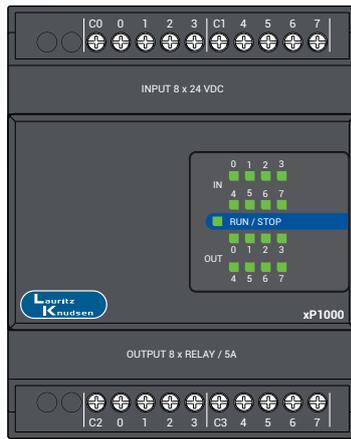
Optional Modules/Cards for xS Series



Description	Cat. No.	M.R.P. (₹) Per Unit
xS1000 & xS2000 Modbus RTU Card	XSCI-RTU-121	*
xS1000 & xS2000 Modbus TCP Card	XSCI-TCP-123	*
xS1000 & xS2000 Profibus Card	XSCI-PDP-121	*
xS1000 & xS2000 Profinet Card	XSCI-PFN-122	*
xS1000 & xS2000 Ethernet Card	XSCI-ETH-122	*
xS1000 & xS2000 DeviceNet Card	XSCI-DEN-121	*
xS1000 & xS2000 USB Interface Card	XSCI-USB-121	*
xS1000 & xS2000 Operator interface Card	XSOP-DOC-100	*
xS1000 & xS2000 Digital Operator Kit	XSOP-DOK-100	*
xS3000 and xS4000 Modbus RTU Card	XSCI-RTU-341	*
xS3000 and xS4000 Modbus RTU + GF Card	XSCI-RTU-342	*
xS3000 and xS4000 Modbus TCP + GF Card	XSCI-TCP-343	*
xS3000 and xS4000 Profibus Card	XSCI-PDP-341	*
xS3000 and xS4000 Profinet + GF Card	XSCI-PFN-343	*
xS3000 and xS4000 Ethernet + GF Card	XSCI-ETH-343	*
xS3000 and xS4000 DeviceNet Card	XSCI-DEN-341	*
xS3000 and xS4000 Operator & Cable	XSOP-DOP-200	*
xS3000 and xS4000 Operator Interface Card	XSOP-DOC-200	*
xS3000 and xS4000 Digital Operator Kit	XSOP-DOK-200	*
xS3000 and xS4000 Pumping Smart Card	XSSC-PSC-341	*

Note:

* For prices please contact nearest branch office
Soft Starters are covered under HSN code 8504 40 90 and are charged at 18% GST.



xP1000 PLC Features:

Main CPU

- › 8 Digital Inputs
- › 24 V DC Power Supply
- › 8 Digital Outputs (Relay Output) 5 A (Res.) @ 230 VAC / 30 VDC
- › 2 Serial Communication Ports (COM1 - RS232/RS485, COM2 - RS485)
- › 256KB User Program Memory, 8KB User Data Memory.
- › Operating Temperature : 0°C to 55°C, Storage Temperature: - 40°C to 70°C

Expansion Modules:

Digital I/Os

- › Extension with 8 Digital Inputs and 8 Relay Outputs, Relay Load 5 A (Res.) @ 230 VAC / 30 VDC
- › 24 V DC Power Supply

Analog Inputs

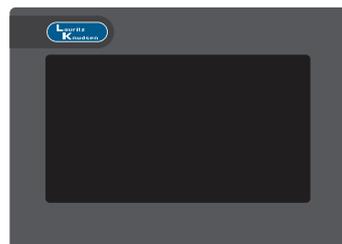
- › Extension with 4 Analog Inputs (0-10V / 4-20mA)
- › 24 V DC Power Supply

Analog Outputs

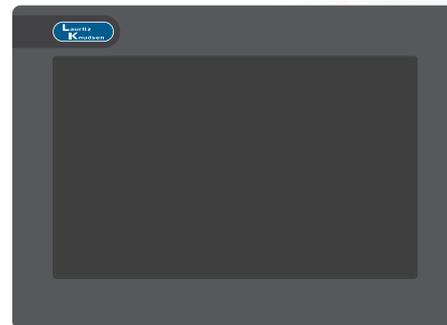
- › Extension with 2 Analog Outputs (0-10V / 4-20mA)
- › 24 V DC Power Supply



4.3 inch



7 inch

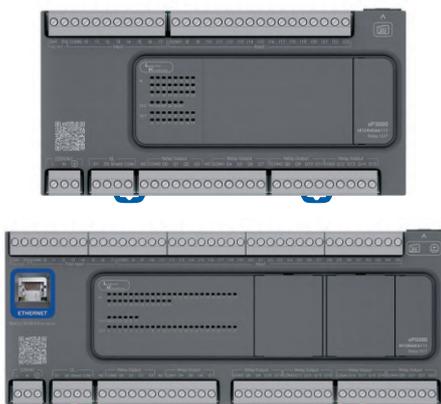


10.1 inch

xT1000 HMI Features:

- › **HMI Size**
4.3", 7" & 10.1" with colour TFT display options with & without Ethernet model
- › **Touch Screen**
Higher brightness level up to 440 cd/m² & long backlight life up to 50000 hours for display
- › **Protection**
Shock & Vibration protection as per IEC Standard
- › **CPU**
Equipped with powerful CPU Cortex-M7 (600MHz)
- › **Data Logging**
Equipped with powerful CPU Cortex-M7 (600MHz)
- › **Operating Temperature**
Operation temperature range: 0 to 50 °C
- › **Memory**
RAM - 32 MB for all Models
- › **Password Management**
User access levels & application password management
- › **Safety Standards**
CE, RoHS Compliant, IP 65 protection for front panel with Class 2 Pollution Degree.
- › **Memory**
ROM - 32 MB for Serial models & 64 MB for with Ethernet model, ROM Expandable up to 4 GB via USB Stick/SD card
- › **Picture Library**
Inbuilt picture library with high resolution images

xP Series



- › AC / DC power supply
- › Supports Upto 196 IOs, Relay and transistor outputs
- › Flexible I/Os, 2 cartridges, and up to 4 expansions
- › Ethernet and Serial line ports
- › Micro-SD card slot and USB port
- › 2 High speed counters, 2@100KHz
- › 2 Pulse Outputs at 100kHz*2



xP Expansion Modules Features:

- › Digital Input Modules: 16 / 32 channel options
- › Digital Output Modules: 8/16 / 32 channel options
- › Analog Input Modules: 8 channels
 - ›› Voltage: 0–10 V
 - ›› Current: 4–20 mA
- › Analog Output Modules: 4/8 channels
 - ›› Voltage: 0–10 V
 - ›› Current: 4–20 mA
- › Mixed I/O Modules: Combined analog input and output channels (e.g., 4 AI + 2 AO).

Category	Description	Cat. No.	M.R.P. (₹) Per Unit	
CPU	xP1000	xP1000 CPU, 8 DI, 8 RO, 2 Serial Port.	xP1000-MM1DR16AA11	*
	xP1000 Expansions	Expansion 8 DI/ 8 RO	xPEXPN-ME4DR16AA11	*
		Expansion 4 AI	xPEXPN-ME2AX04AA11	*
		Extension with 2 Analog Outputs	xPEXPN-ME3AY02AA11	*
	xP3000	xP3000, CPU, AC220, 09DI, 07DO RY	xP3000-M1DR16AA111	*
		xP3000, CPU, AC220, 14DI, 10DO RY	xP3000-M1DR24AA111	*
		xP3000 CPU AC220 18DI 14DO RY	xP3000-M1DR32AA111	*
		xP3000, CPU, AC220, 24DI, 16DO RY	xP3000-M1DR40AA111	*
	xP5000	xP5000 CPU DC24 10DI 09DO TP	xP5000-M1DT16AA111	*
		xP5000 CPU DC24 10DI 09DO TN	xP5000-M1DU16AA111	*
		xP5000 CPU AC220 14DI 09DO RY	xP5000-M1DR16AA111	*
		xP5000 CPU DC24 14DI 10DO TN	xP5000-M1DU24AA111	*
xP5000 CPU DC24 14DI 10DO TP		xP5000-M1DT24AA111	*	
xP5000 CPU AC220 14DI 10DO RY		xP5000-M1DR24AA111	*	
xP5000 CPU DC24 14DI 10DO TP Eth.		xP5000-M1DT24EA111	*	
xP5000, CPU, DC24, 14DI, 10DO TN Eth.		xP5000-M1DU24EA111	*	
xP5000 CPU AC220 14DI 10DO RY Eth		xP5000-M1DR24EA111	*	
xP5000, CPU, DC24, 20DI, 12DO TN		xP5000-M1DU32AA111	*	
xP5000 CPU DC24 20DI12DO TP		xP5000-M1DT32AA111	*	
xP5000 CPU AC220 18DI 14DO RY		xP5000-M1DR32AA111	*	
xP5000 CPU AC220 18DI 14DO RY Eth.		xP5000-M1DR32EA111	*	
xP5000,CPU, DC24, 24DI, 16DO TN		xP5000-M1DU40AA111	*	
xP5000 CPU DC24 24DI 16DO TP		xP5000-M1DT40AA111	*	
xP5000, CPU, AC220, 24DI, 16DO RY,		xP5000-M1DR40AA111	*	
xP5000 CPU DC24 24DI 16DO TP Eth.		xP5000-M1DT40EA111	*	
xP5000, CPU, DC24, 24DI, 16DO TN, Eth.		xP5000-M1DU40EA111	*	
xP5000 CPU AC220 24DI 16DO RY Eth	xP5000-M1DR40EA111	*		
xP5000 CPU AC220 36DI 24DO RY	xP5000-M1DR60AA111	*		
xP5000, CPU, AC220, 36DI, 24DO RY, 1 Eth	xP5000-M1DR60EA111	*		
xP5000 Expansion Modules	xPEXPN, 8 OUT RY	xPEXPN-XLE3DR08AA1	*	
	xPEXPN, 8DC inputs ,8 relay outputs	xPEXPN-XLE4DR16AA1	*	
	xPEXPN, 16 INPUTS	xPEXPN-XLE2DX16AA1	*	
	xPEXPN, 16 OUT TR.NPN	xPEXPN-XLE3DU16AA1	*	
	xPEXPN, 16 OUT RY	xPEXPN-XLE3DR16AA1	*	
	xPEXPN, 16 OUT TR.PNP	xPEXPN-XLE3DT16AA1	*	
	xPEXPN, 16DC inputs ,16 relay outputs	xPEXPN-XLE4DR32AA1	*	
	xPEXPN, 32 INPUTS	xPEXPN-XLE2DX32AA1	*	
	xPEXPN, 32 OUT TR.PNP	xPEXPN-XLE3DT32AA1	*	
	xPEXPN, 32 OUT TR.NPN	xPEXPN-XLE3DU32AA1	*	
	xPEXPN, 8 ANALOG INPUTS	xPEXPN-XLE2AI08AA1	*	
	xPEXPN, 4 ANALOG OUTPUTS	xPEXPN-XLE3XQ04AA1	*	
	xPEXPN, 4 AI 2 AO	xPEXPN-XLE4AQ06AA1	*	
	xPCTRG, 1 isolated serial line RS485	xPCTRG-XL05CS01AB1	*	
	xPCTRG, 2 analog input ,1 analog output	xPCTRG-XL04AH03AA1	*	

Note: * For prices please contact nearest branch office

xT Series

- › Wide Range upto 15" in size
- › Application Memory: FLASH EPROM / Screen area: 64MB/User font area 8 MB / Logic program area: 132KB
- › Backup Memory: Screen Area: SRAM 320KB,Variable Area: SRAM 64KB
- › Various Communication Interface: Ethernet /RS-232C / RS-422/485
- › USB host and device
- › SD memory card interface
- › Certificates: CE, RoHS

Category	Description	Cat. No.	M.R.P. (₹) Per Unit	
HMI	xT1000	xT1000 series, 4" TFT, Serial,2 Port	xT1000-E104SDAAA1	*
		xT1000 series, 4" TFT, Serial,2 Port, 1 Eth Port	xT1000-E104EDAAA1	*
		xT1000 series, 7" TFT, Serial,2 Port	xT1000-E107SDAAA1	*
		xT1000 series, 7" TFT, Serial,2 Port, 1 Eth Port	xT1000-E107EDAAA1	*
		xT1000 series, 10" TFT, Serial,2 Port	xT1000-E110SDAAA1	*
		xT1000 series, 10" TFT, Serial,2 Port, 1 Eth Port	xT1000-E110EDAAA1	*
	xTE6000	xTE6000 Series 7 " HMI, DC 24V, Eth.	xTE6000-07EDAA1	*
		xTE6000 Series 10 " HMI, DC 24V, Eth.	xTE6000-10EDAA1	*
		xTE6000 Series 12 " HMI, DC 24V, Eth.	xTE6000-12EDAA1	*
		xTE6000 Series 15 " HMI, DC 24V, Eth.	xTE6000-15EDAA1	*
	xTS6000	xTS6000 Series 04" Advance HMI, DC 24V, Eth.	xTS6000-04EDAA1	*
		xTS6000 Series 07" Advance HMI, DC 24V, Eth.	xTS6000-07EDAA1	*
		xTS6000 Series 10" Advance HMI, DC 24V, Eth.	xTS6000-10EDAA1	*
		xTS6000 Series 12" Advance HMI, DC 24V, Eth.	xTS6000-12EDAA1	*
		xTS6000 Series 15" Advance HMI, DC 24V, Eth.	xTS6000-15EDAA1	*

Note: * For prices please contact nearest branch office



xTE6000_10inch



xTE6000_15inch



xTS6000_15inch

xTE6000

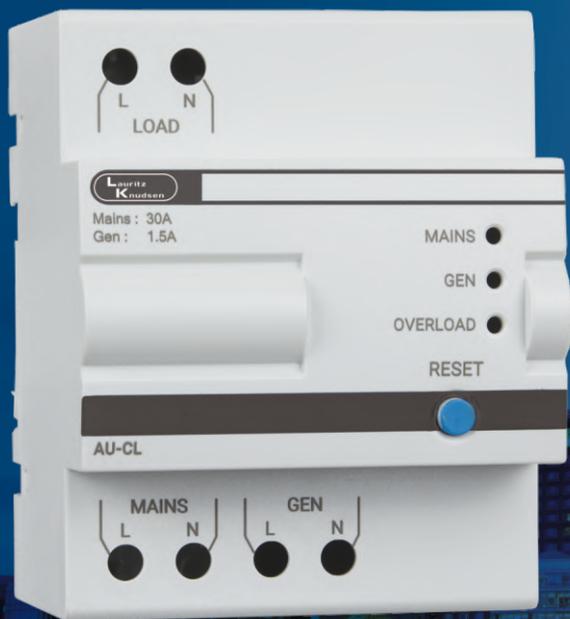
- › Wide TFT Color Display (16 Million Colors)
- › Resistive Touch Panel
- › 24V DC Power Supply
- › Compatible with GP-Pro EX Software
- › Panel Mount Design
- › Industrial Grade Construction

xTS6000

- › Wide TFT Color LCD Display (16 Million Colors)
- › Projected Capacitive Multi-Touch Panel
- › High-Performance CPU for Faster Screen Processing
- › Dual Ethernet Ports (on selected models)
- › 24V DC Power Supply
- › Compatible with GP-Pro EX Software
- › Panel Mount Design
- › Industrial Grade Construction (IP65 Front Protection)

Experience the robust performance of our ACCL

Single Phase ACCL



Mains rating : 30A

Genset rating : 1A to 30A

Three Phase ACCL With MCX contactors inside

Range : 32A to 125A



Settable overload current limit at DG side



Separate power consumption monitoring for Mains & Genset



Settable TPN / SPN mode for three phase and single phase DG supply



To Experience Scan or Click



Miniature Circuit Breaker (MCB) [8536]

Range Highlights

- › True contact indication for individual pole
- › Label holder facility for all configurations
- › Conforms to IS/IEC 60898 - 10kA
- › Conforms to IS/IEC 60947 - 2
 - › 15kA C-curve till 40 A
 - › 10kA C-curve for 50A, 63A
- › Available in B, C & D curves
- › Low watt loss - almost 50% of the values prescribed by IS/IEC 60898
- › Trip free mechanism
- › Design based on advanced current limiting hammer trip mechanism
- › No Line-Load bias
- › Bi connect feature on both sides
- › Suitable for accessory fitment



Rating	Modules 1 Mod = 17.5 mm	B-Curve Cat. No.	M.R.P. (₹) Per Unit	C-Curve Cat. No.	M.R.P. (₹) Per Unit	D-Curve Cat. No.	M.R.P. (₹) Per Unit
Single Pole (SP)							
0.5A	1	-	-	BB10E50C	540	BB10E50D	560
1A	1	-	-	BB10010C	540	BB10010D	560
2A	1	-	-	BB10020C	540	BB10020D	560
3A	1	-	-	BB10030C	540	BB10030D	560
4A	1	-	-	BB10040C	540	BB10040D	560
6A	1	BB10060B	318	BB10060C	318	BB10060D	470
10A	1	BB10100B	318	BB10100C	318	BB10100D	470
16A	1	BB10160B	318	BB10160C	318	BB10160D	470
20A	1	BB10200B	318	BB10200C	318	BB10200D	470
25A	1	BB10250B	318	BB10250C	318	BB10250D	470
32A	1	BB10320B	318	BB10320C	318	BB10320D	470
40A	1	BB10400B	756	BB10400C	756	BB10400D	840
50A	1	BB10500B	756	BB10500C	756	BB10500D*	840
63A	1	BB10630B	756	BB10630C	756	BB10630D*	840
Double Pole (DP)							
0.5A	2	-	-	BB20E50C	1550	BB20E50D	1575
1A	2	-	-	BB20010C	1550	BB20010D	1575
2A	2	-	-	BB20020C	1550	BB20020D	1575
3A	2	-	-	BB20030C	1550	BB20030D	1575
4A	2	-	-	BB20040C	1550	BB20040D	1575
6A	2	BB20060B	1080	BB20060C	1080	BB20060D	1145
10A	2	BB20100B	1080	BB20100C	1080	BB20100D	1145
16A	2	BB20160B	1080	BB20160C	1080	BB20160D	1145
20A	2	BB20200B	1080	BB20200C	1080	BB20200D	1145
25A	2	BB20250B	1080	BB20250C	1080	BB20250D	1145
32A	2	BB20320B	1080	BB20320C	1080	BB20320D	1145
40A	2	BB20400B	1760	BB20400C	1760	BB20400D	1870
50A	2	BB20500B	1760	BB20500C	1760	BB20500D*	1870
63A	2	BB20630B	1760	BB20630C	1760	BB20630D*	1870
Three Pole (TP)							
0.5A	3	-	-	BB30E50C	2255	BB30E50D	2290
1A	3	-	-	BB30010C	2255	BB30010D	2290
2A	3	-	-	BB30020C	2255	BB30020D	2290
3A	3	-	-	BB30030C	2255	BB30030D	2290
4A	3	-	-	BB30040C	2255	BB30040D	2290
6A	3	BB30060B	1700	BB30060C	1700	BB30060D	1825
10A	3	BB30100B	1700	BB30100C	1700	BB30100D	1825
16A	3	BB30160B	1700	BB30160C	1700	BB30160D	1825
20A	3	BB30200B	1700	BB30200C	1700	BB30200D	1825
25A	3	BB30250B	1700	BB30250C	1700	BB30250D	1825
32A	3	BB30320B	1700	BB30320C	1700	BB30320D	1825
40A	3	BB30400B	2650	BB30400C	2650	BB30400D	2825
50A	3	BB30500B	2650	BB30500C	2650	BB30500D*	2825
63A	3	BB30630B	2650	BB30630C	2650	BB30630D*	2825

Note: Standard Pack Quantity for MCB : SP - 12 Nos., DP - 6 Nos., TP - 4 Nos., FP - 3 Nos.

*For details, please contact nearest branch office

Miniature Circuit Breaker (MCB) [8536]



Rating	Modules 1 Mod = 17.5 mm	B-Curve Cat. No.	M.R.P. (₹) Per Unit	C-Curve Cat. No.	M.R.P. (₹) Per Unit	D-Curve Cat. No.	M.R.P. (₹) Per Unit
Four Pole (FP)							
0.5A	4	-	-	BB40E50C	2840	BB40E50D	2845
1A	4	-	-	BB40010C	2840	BB40010D	2845
2A	4	-	-	BB40020C	2840	BB40020D	2845
3A	4	-	-	BB40030C	2840	BB40030D	2845
4A	4	-	-	BB40040C	2840	BB40040D	2845
6A	4	BB40060B	2355	BB40060C	2355	BB40060D	2460
10A	4	BB40100B	2355	BB40100C	2355	BB40100D	2460
16A	4	BB40160B	2355	BB40160C	2355	BB40160D	2460
20A	4	BB40200B	2355	BB40200C	2355	BB40200D	2460
25A	4	BB40250B	2355	BB40250C	2355	BB40250D	2460
32A	4	BB40320B	2355	BB40320C	2355	BB40320D	2460
40A	4	BB40400B	3305	BB40400C	3305	BB40400D	3640
50A	4	BB40500B	3305	BB40500C	3305	BB40500D*	3640
63A	4	BB40630B	3305	BB40630C	3305	BB40630D*	3640

Note: Standard Pack Quantity for MCB : SP - 12 Nos., DP - 6 Nos., TP - 4 Nos., FP - 3 Nos.

*For details, please contact nearest branch office

MCBs (Miniature Circuit Breakers) : 80A-125A [8536]

Range Highlights

- › Short circuit Breaking Capacity - 15kA (IS/IEC 60947-2, EN 60947-2)
- › C & D Characteristics
- › Available in SP, DP, TP and FP
- › Suitable for Isolation
- › Protection Degree - IP 20
- › Availability of wide Range of Site Mountable Accessories



Rating	Modules 1 Mod = 17.5 mm	C Curve Cat. No.	M.R.P. (₹) Per Unit	D Curve Cat. No.	M.R.P. (₹) Per Unit
Single Pole (SP)					
80A	1.5	AU15S10803C	3175	AU15S10803D	3615
100A	1.5	AU15S11003C	3560	AU15S11003D	4045
125A	1.5	AU15S11253C	3830	AU15S11253D	4370
Double Pole (DP)					
80A	3	AU15S20803C	7035	AU15S20803D	8010
100A	3	AU15S21003C	7505	AU15S21003D	8535
125A	3	AU15S21253C	8260	AU15S21253D	9390
Three Pole (TP)					
80A	4.5	AU15S30803C	11100	AU15S30803D	12640
100A	4.5	AU15S31003C	11840	AU15S31003D	13455
125A	4.5	AU15S31253C	13140	AU15S31253D	14930
Four Pole (FP)					
80A	6	AU15S40803C	14500	AU15S40803D	16465
100A	6	AU15S41003C	15080	AU15S41003D	17160
125A	6	AU15S41253C	17080	AU15S41253D	19415

**CERTIFIED TO LEAD,
TRUSTED FOR SAFETY.**

BIS-Certified HR MCBs Range - 80A, 100A & 125A



(AC MCB + DC MCB)



AC MCB[^] with C-Curve

Description	Modules 1 Mod = 17.5mm	Cat. No.	M.R.P. (₹) Per Unit
1 AC 16A DP MCB [^] + 1 DC 16A DP 500V MCB	2+2	SC221616	1900
New 1 AC 20A DP MCB [^] + 1 DC 20A DP 500V MCB	2+2	SC222020	1900
New 1 AC 20A DP MCB [^] + 1 DC 25A DP 500V MCB	2+2	SC222025	1900
New 1 AC 20A DP MCB [^] + 1 DC 32A DP 500V MCB	2+2	SC222032	1900
1 AC 25A DP MCB [^] + 1 DC 16A DP 500V MCB	2+2	SC222516	1900
New 1 AC 25A DP MCB [^] + 1 DC 25A DP 500V MCB	2+2	SC222525	1900
1 AC 32A DP MCB [^] + 1 DC 16A DP 500V MCB	2+2	SC223216	1900
New 1 AC 32A DP MCB [^] + 1 DC 25A DP 500V MCB	2+2	SC223225	1900
1 AC 32A DP MCB [^] + 1 DC 32A DP 500V MCB	2+2	SC223232	1900

Double the Protection, Twice the Power!

Complete Protection for Solar Rooftop Installations

DC MCB:
10kA as per IEC 60947-2

AC MCB:
10kA as per IS/IEC 60898-1



Miniature Circuit Breaker (MCB) [8536]

DC MCBs as per IEC 60947-2 [8536]

Rated Voltage:
Breaking capacity of 6 kA - BB Series DC MCBs

130V DC SP MCB



Rating	Modules 1 Mod = 17.5mm	Cat. No.	M.R.P. (₹) Per Unit
Single Pole (SP)			
0.5A	1	BB10E5DC	755
1A	1	BB1001DC	755
2A	1	BB1002DC	755
3A	1	BB1003DC	755
4A	1	BB1004DC	755
6A	1	BB1006DC	655
10A	1	BB1010DC	655
16A	1	BB1016DC	655
20A	1	BB1020DC	655
25A	1	BB1025DC	655
32A	1	BB1032DC	655
40A	1	BB1040DC	860
50A	1	BB1050DC	860
63A	1	BB1063DC	860

Rated Voltage:
Breaking capacity of BJ Series DC MCBs
» 10kA till 40 A
» 6kA for 50A, 63A

250V DC SP MCB

Rating	Modules 1 Mod = 17.5mm	Cat. No.	M.R.P. (₹) Per Unit
Single Pole (SP)			
0.5A	1	BJ10E5DC	895
1A	1	BJ1001DC	895
2A	1	BJ1002DC	895
3A	1	BJ1003DC	895
4A	1	BJ1004DC	895
6A	1	BJ1006DC	730
10A	1	BJ1010DC	730
16A	1	BJ1016DC	730
20A	1	BJ1020DC	730
25A	1	BJ1025DC	730
32A	1	BJ1032DC	730
40A	1	BJ1040DC	1010
50A	1	BJ1050DC	1010
63A	1	BJ1063DC	1010

New

250V DC DP MCB



0.5A	2	BB20E5DC	1615
1A	2	BB2001DC	1615
2A	2	BB2002DC	1615
3A	2	BB2003DC	1615
4A	2	BB2004DC	1615
6A	2	BB2006DC	1420
10A	2	BB2010DC	1420
16A	2	BB2016DC	1420
20A	2	BB2020DC	1420
25A	2	BB2025DC	1420
32A	2	BB2032DC	1420
40A	2	BB2040DC	1920
50A	2	BB2050DC	1920
63A	2	BB2063DC	1920

500V DC DP MCB

0.5A	2	BJ20E5DC	1865
1A	2	BJ2001DC	1865
2A	2	BJ2002DC	1865
3A	2	BJ2003DC	1865
4A	2	BJ2004DC	1865
6A	2	BJ2006DC	1575
10A	2	BJ2010DC	1575
16A	2	BJ2016DC	1575
20A	2	BJ2020DC	1575
25A	2	BJ2025DC	1575
32A	2	BJ2032DC	1575
40A	2	BJ2040DC	2005
50A	2	BJ2050DC	2005
63A	2	BJ2063DC	2005

New

Note: Standard Pack Quantity for MCB : SP - 12 Nos., DP - 6 Nos.

1000V DC MCBs [8536]

Rated Voltage: 1000V DC
with breaking capacity of 6 kA - BK Series DC MCBs

New



Description	Modules 1 Mod = 17.5mm	Cat. No.	M.R.P. (₹) Per Unit
DP 6A 1000V DC 6kA MCB	4	BK2006DC	2400
DP 10A 1000V DC 6kA MCB	4	BK2010DC	2400
DP 16A 1000V DC 6kA MCB	4	BK2016DC	2400
DP 20A 1000V DC 6kA MCB	4	BK2020DC	2400
DP 25A 1000V DC 6kA MCB	4	BK2025DC	2400
DP 32A 1000V DC 6kA MCB	4	BK2032DC	2400
DP 40A 1000V DC 6kA MCB	4	BK2040DC	2915
DP 50A 1000V DC 6kA MCB	4	BK2050DC	2915
DP 63A 1000V DC 6kA MCB	4	BK2063DC	2915

Isolators [8536]



Range Highlights

- › Conforms to IEC 60947-3
- › Utilization category AC-22A
- › Available in DP, TP and FP versions in 40A, 63A, 80A & 100A ratings

Rating	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit
Double Pole (DP)			Three Pole (TP)			Four Pole (FP)			
40A	2	BF204000	685	3	BF304000	1190	4	BF404000	1525
63A	2	BF206300	870	3	BF306300	1370	4	BF406300	1595
80A	2	BF208000	1110	3	BF308000	1505	4	BF408000	1785
100A	2	BF210000	1165	3	BF310000	1605	4	BF410000	1930

Note: Standard Pack Quantity for Isolator : DP - 6 Nos., TP - 4 Nos., FP - 3 Nos.

RCCB (Residual Current Circuit Breaker) [8536]

Range Highlights

- › Conforms to IS 12640 (Part 1) / IEC 61008-1
- › RCCBs are available in DP and FP versions from 25 to 100A ratings with 30 mA, 100 mA and 300mA sensitivity



- › Truly current operated - operation even at nominal Voltage
- › Operates on Core Balance Current Transformer (CBCT) principle
- › Advanced neutral mechanism

Rating	Sensitivity	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit
Double Pole (DP)				
25A	30 mA	2	BG202503	3685
	100 mA	2	BG202510	3910
	300 mA	2	BG202530	3910
32A	30 mA	2	BG203203	4135
	100 mA	2	BG203210	4470
	300 mA	2	BG203230	4470
40A	30 mA	2	BG204003	4135
	100 mA	2	BG204010	4470
	300 mA	2	BG204030	4470
63A	30 mA	2	BG206303	5160
	100 mA	2	BG206310	5390
	300 mA	2	BG206330	5390
100A	30 mA	2	BG210003	9270
	100 mA	2	BG210010	9385
	300 mA	2	BG210030	9385

Rating	Sensitivity	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit
Four Pole (FP)				
25A	30 mA	4	BG402503	4825
	100 mA	4	BG402510	5050
	300 mA	4	BG402530	5050
32A	30 mA	4	BG403203	4870
	100 mA	4	BG403210	5135
	300 mA	4	BG403230	5135
40A	30 mA	4	BG404003	4870
	100 mA	4	BG404010	5135
	300 mA	4	BG404030	5135
63A	30 mA	4	BG406303	5510
	100 mA	4	BG406310	5890
	300 mA	4	BG406330	5890
100A	30 mA	4	BG410003	9600
	100 mA	4	BG410010	9955
	300 mA	4	BG410030	9955

RCCBs (Residual Current Circuit Breakers) : Type-Adi (with Added immunity) [8536]



Range Highlights

- › Wide Range of Current Ratings - 25A to 100A
- › Precise Sensitivities for variety of applications - from 30mA to 300mA
- › 2P & 4P versions
- › Suitable for Isolation
- › Protection Degree - IP 20
- › Availability of wide Range of Site Mountable Accessories
- › Type Adi: Suitable for AC + Pulsating DC (Type A) + Harmonics

Rating	Sensitivity	Modules 1 Mod = 17.5 mm	CAT Nos.	M.R.P. (₹) Per Unit
2P Adi				
25A	30mA	2	AURAD202503	6395
	100mA	2	AURAD202510	6690
	300mA	2	AURAD202530	6690
40A	30mA	2	AURAD204003	6785
	100mA	2	AURAD204010	6895
	300mA	2	AURAD204030	6895
63A	30mA	2	AURAD206303	7940
	100mA	2	AURAD206310	8090
	300mA	2	AURAD206330	8090
100A	30mA	2	AURAD210003	11730

Rating	Sensitivity	Modules 1 Mod = 17.5 mm	CAT Nos.	M.R.P. (₹) Per Unit
4P Adi				
25A	30mA	4	AURAD402503	7735
	100mA	4	AURAD402510	7880
	300mA	4	AURAD402530	7880
40A	30mA	4	AURAD404003	8030
	100mA	4	AURAD404010	8155
	300mA	4	AURAD404030	8155
63A	30mA	4	AURAD406303	8745
	100mA	4	AURAD406310	8925
	300mA	4	AURAD406330	8925
100A	30mA	4	AURAD410003	13930
	300mA	4	AURAD410030	13930

All-Rounder RCDs (RCCB & RCBO)

Specially designed Adi RCDs ensure Safe and Reliable protection for All Applications in AC networks with Pulsating DC along with Harmonics

Type A

AC

Harmonics



Added Immunity

RCBOs (Residual Current Breaker with Overcurrent Protection) [8536]

Range Highlights*

- › Conforms to IEC 61009-1, IS 12640-2, EN 61009-1
- › Short circuit Breaking Capacity - 10kA
- › Precise Sensitivities for a variety of applications
 - › from 10mA to 300mA
- › Suitable for Isolation

Type-AC

Rating	Sensitivity	Modules 1 Mod = 17.5 mm	CAT Nos.	M.R.P. (₹) Per Unit
2P AC[#]				
6A	10mA	2	AUF3C200601	5835
	30mA	2	AUF3C200603	5835
	100mA	2	AUF3C200610	5955
	300mA	2	AUF3C200630	6025
10A	10mA	2	AUF3C201001	5835
	30mA	2	AUF3C201003	5835
	100mA	2	AUF3C201010	5955
	300mA	2	AUF3C201030	6025
16A	10mA	2	AUF3C201601	5835
	30mA	2	AUF3C201603	5835
	100mA	2	AUF3C201610	5955
	300mA	2	AUF3C201630	6025
20A	30mA	2	AUF3C202003	5835
	100mA	2	AUF3C202010	5955
	300mA	2	AUF3C202030	6025
25A	30mA	2	AUF3C202503	5835
	100mA	2	AUF3C202510	5955
	300mA	2	AUF3C202530	6025
32A	30mA	2	AUF3C203203	5835
	100mA	2	AUF3C203210	5955
	300mA	2	AUF3C203230	6025
40A	30mA	2	AUF3C204003	5835
	100mA	2	AUF3C204010	5955
	300mA	2	AUF3C204030	6025
63A	30mA	4	AUF3C206303	6930
	100mA	4	AUF3C206310	7350
	300mA	4	AUF3C206330	7410
4P AC				
16A	30mA	7.5	AUF3C401603	6265
	100mA	7.5	AUF3C401610	6975
	300mA	7.5	AUF3C401630	7115
20A	30mA	7.5	AUF3C402003	6265
	100mA	7.5	AUF3C402010	6975
	300mA	7.5	AUF3C402030	7115
25A	30mA	7.5	AUF3C402503	6265
	100mA	7.5	AUF3C402510	6975
	300mA	7.5	AUF3C402530	7115
32A	30mA	7.5	AUF3C403203	6470
	100mA	7.5	AUF3C403210	6980
	300mA	7.5	AUF3C403230	7135
40A	30mA	7.5	AUF3C404003	6570
	100mA	7.5	AUF3C404010	6980
	300mA	7.5	AUF3C404030	7155
63A	30mA	7.5	AUF3C406303	7875
	100mA	7.5	AUF3C406310	8020
	300mA	7.5	AUF3C406330	8020
80A	30mA	12	AUF3C408003	30515
	100mA	12	AUF3C408010	31195
	300mA	12	AUF3C408030	31195
100A	30mA	12	AUF3C410003	32620
	100mA	12	AUF3C410010	33400
	300mA	12	AUF3C410030	33400

#For 2P AC/Adi D Curve RCBO, please contact nearest branch office



- › Availability of wide Range of Site Mountable Accessories
- › Available in
 - › Type AC: For standard AC installations
 - › Type Adi: Suitable for AC + Pulsating DC (Type A) + Harmonics

Type-Adi

Rating	Sensitivity	Modules 1 Mod = 17.5 mm	CAT Nos.	M.R.P. (₹) Per Unit
2P Adi				
6A	30mA	2	AUF3D200603	7875
	100mA	2	AUF3D200610	8675
	300mA	2	AUF3D200630	9000
10A	30mA	2	AUF3D201003	7875
	100mA	2	AUF3D201010	8675
	300mA	2	AUF3D201030	9000
16A	30mA	2	AUF3D201603	7875
	100mA	2	AUF3D201610	8675
	300mA	2	AUF3D201630	9000
20A	30mA	2	AUF3D202003	7875
	100mA	2	AUF3D202010	8675
	300mA	2	AUF3D202030	9000
25A	30mA	2	AUF3D202503	7875
	100mA	2	AUF3D202510	8675
	300mA	2	AUF3D202530	9000
32A	30mA	2	AUF3D203203	7875
	100mA	2	AUF3D203210	8675
	300mA	2	AUF3D203230	9000
40A	30mA	2	AUF3D204003	7875
	100mA	2	AUF3D204010	8675
	300mA	2	AUF3D204030	9000
63A	30mA	4	AUF3D206303	9110
	100mA	4	AUF3D206310	9635
	300mA	4	AUF3D206330	9720
4P Adi				
16A	30mA	7.5	AUF3D401603	8230
	100mA	7.5	AUF3D401610	9150
	300mA	7.5	AUF3D401630	9340
20A	30mA	7.5	AUF3D402003	8230
	100mA	7.5	AUF3D402010	9150
	300mA	7.5	AUF3D402030	9340
25A	30mA	7.5	AUF3D402503	8230
	100mA	7.5	AUF3D402510	9150
	300mA	7.5	AUF3D402530	9340
32A	30mA	7.5	AUF3D403203	8490
	100mA	7.5	AUF3D403210	9160
	300mA	7.5	AUF3D403230	9350
40A	30mA	7.5	AUF3D404003	8620
	100mA	7.5	AUF3D404010	9160
	300mA	7.5	AUF3D404030	9390
63A	30mA	7.5	AUF3D406303	10330
	100mA	7.5	AUF3D406310	10540
	300mA	7.5	AUF3D406330	10540
80A	30mA	12	AUF3D408003	30515
	100mA	12	AUF3D408010	31195
	300mA	12	AUF3D408030	31195
100A	30mA	12	AUF3D410003	32620
	100mA	12	AUF3D410010	33400
	300mA	12	AUF3D410030	33400

*For technical details, please contact nearest branch office

SPDs (Surge Protection Devices) [8536]



New

Range Highlights

- › Conforms to IEC 61643-11
- › Available in Type 2 and Type 1+2
- › Type 2 : Protection against indirect lightning and switching surges
 - » Maximum Discharge Current - I_{max} up to 70kA
- › Type 1+2 : Protection against direct and indirect lightning surges
 - » Maximum Discharge Current - I_{max} up to 100kA

800V Solar Application

Description	Configuration	Modules 1 Mod = 17.5 mm	Voltage (Uc)	Cat. No.	M.R.P. (₹) Per Unit
Type 2, I _{max} 40kA	3P	4	1500	AUSP023P40-1500	15000
Type 1+2, I _{imp} 12.5kA	3P	5	1360	AUSP123P50-1360	45000
Type 1+2, I _{imp} 12.5kA	3P	4	880	AUSP123P50-880	30000

440V Application (Common + Differential Mode)

Description	I _{max}	Configuration	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit
Type 1+2, I _{imp} 12.5kA	50kA	1P+N	2	AUSP121PN50D	11955
		3P+N	4	AUSP123PN50D	22900
Type 2	40kA	1P+N	1	AUSP021PN40D	7475
		3P+N	2	AUSP023PN40D	14935
Type 2	15kA	1P+N	1	AUSP021PN15D	5980
		3P+N	2	AUSP023PN15D	11760
Type 1+2, I _{imp} 8kA	100kA	1P+N	2	AUSP121PN100D	10750
		3P+N	4	AUSP123PN100D	21120
Type 2	70kA	1P+N	2	AUSP021PN70D	11740
		3P+N	4	AUSP023PN70D	19550

SPD Cartridges

Description	Cat. No.	M.R.P. (₹) Per Unit
Cartridge for AUSP021PN15D	AUSC021PN15D	2940
Cartridge for AUSP021PN40D	AUSC021PN40D	3660
Cartridge for AUSP021PN70D / AUSP023PN70D	AUSC021PN70D	3915
Cartridge for AUSP023PN15D [#]	AUSC023PN15D	3845
Cartridge for AUSP023PN40D [#]	AUSC023PN40D	4885
Cartridge for AUSP121PN100D / AUSP123PN100D	AUSC121PN100D	5865
Cartridge for AUSP121PN50D / AUSP123PN50D	AUSC121PN50D	6330
Cartridge for AUSP023PN15D [#]	AUSC023PN15DG	4455
Cartridge for AUSP023PN40D [#]	AUSC023PN40DG	4650

[#]For technical details, please contact nearest branch office

ACCL (Automatic Changeover with Current Limiter) [8536]

Single Phase ACCL



Range Highlights

- › Conforms to IEC 60947-6, IEC 60947-3
- › Wide Range of Current Ratings
 - » (Generator side) - 1A to 30A
 - » (Electricity Board side) - 30A
- › RoHS compliant

Description EB/DG	Modules 1 Mod = 17.5 mm	CAT Nos.	M.R.P. (₹) Per Unit
30A/1A	4	AUCL01030001	2930
30A/1.5A	4	AUCL010301E5	2930
30A/2A	4	AUCL01030002	2930
30A/2.5A	4	AUCL010302E5	2930
30A/3A	4	AUCL01030003	2930
30A/4A	4	AUCL01030004	2930
30A/5A	4	AUCL01030005	2930
30A/6A	4	AUCL01030006	2930
30A/8A	4	AUCL01030008	2930
30A/10A	4	AUCL01030010	2930
30A/12A	4	AUCL01030012	2930
30A/15A	4	AUCL01030015	2930
30A/20A	4	AUCL01030020	2930
30A/30A	4	AUCL01030030*	2930

*Non-current limiting variant

Three Phase ACCL



Range Highlights

- › Settable overload current limit at DG side
- › Separate power consumption monitoring for Mains & Genset
- › Settable overvoltage & undervoltage protection
- › Settable TPN or SPN mode at DG side
- › Protection against single phasing

Description (AC-1) EB/DG	Cat. No.	M.R.P. (₹) Per Unit
32A / 32A	AUCL03032032	14385
40A / 32A	AUCL03040032	14825
40A / 40A	AUCL03040040	16045
50A / 50A	AUCL03050050	22870
63A / 50A	AUCL03063050	25235
63A / 63A	AUCL03063063	28585
80A / 80A	AUCL03080080	43565
125A / 125A	AUCL03125125	73335

For 3 Phase ACCL programming video
please scan the QR code or click here



Changeover Switches [8536]



Range Highlights

- › Conforms to IEC 60947-3 and IS/IEC 60947-3
- › Available in 3 positions (I-O-II) with centre off position
- › Utilization category AC-22A

Rating	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit
Double Pole			
25A	2	AUC00202500	1975
40A	2	AUC00204000	3020
63A	3	AUC00206300	3515
Four Pole			
40A	4	AUC00404000	5205
63A	6	AUC00406300	5900

Accessories

Accessories [8538]



All Half Module and One Module Accessories are common for AU MCBs, RCCBs and RCBOs

Description	Configuration	Modules 1 Mod = 17.5 mm	Voltage	CAT Nos.	M.R.P. (₹) Per Unit
Auxiliary Contact	1NO+1NC	0.5	240V AC, 24V DC	AUAXAC240	1110
AUX/TAC*	1NO+1NC	0.5	240V AC, 24V DC	AUATAC240	1300
HR AUX/TAC*	1NO+1NC	0.5	240V AC, 24V DC	AUATAC240HR	1300
Undervoltage Release	-	1	240V AC	AUUVAC240	2625
Release	-	1	24V DC	AUUVDC024	2625
Overvoltage Release	-	1	240V AC	AUOVAC240	3245
Shunt Release	-	1	240V AC	AUSRAC240	3010
	-	1	24V DC	AUSRDC024	3010
Padlock-Suitable for Lock Hasp 3.5 - 5 mm dia. max	Suitable for 1Pole=1Mod devices: RCCBs, RCBOs, Changeover Switches up to 40A			AUPD01	595
	Suitable for 1Pole-1.5Mod devices: MCBs 80A-125A, Changeover Switch 63A			AUPD02	670

Note: Standard Pack Quantity for Padlock - 2 Nos.

*For 80A-125A MCBs please contact nearest branch office

Control & Monitoring Devices

Modular Contactors [8536]



Range Highlights

- › Wide Range of Current Ratings:
 - › 25A, 40A and 63A
- › Conforms to :
 - › IEC 61095, EN 61095
 - › IEC 60947-4-1, EN 60947-4-1
 - › IEC 60947-5-1
- › Protection Degree IP 20

Description (AC-1)	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit
25A-1NO	1	AUMC1002501	2215
25A-2NO	1	AUMC2002501	2780
40A-2NO	3	AUMC2004003	4750
40A-3NO	3	AUMC3004003	6810
40A-4NO	3	AUMC4004003	7985
63A-2NO+2NC	3	AUMC2206303	8445
63A-3NO	3	AUMC3006303	8650
63A-4NO	3	AUMC4006303	9525
Accessory [8538]			
Auxiliary Contact, 2NO	0.5	AUMCAUX240	2070

Energy Meters [9030]



Range Highlights

- › DIN mounting whole current operated meter
- › Accuracy Class 1.0
- › Inbuilt RS485 option
- › **Parameters :** Voltage, Current, kW, kWh, kVA, kVAh, RPM, Load hours, Interruptions

Description	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit
Single Phase - 60A	2	WD4010100000	3410
Three Phase - 80A	5	WD4020100000	7385
Single Phase - 60A (RS485)	2	WD4010110000	5045
Three Phase - 80A (RS485)	5	WD4020110000	11145

Indicating Lights [8531]



Description	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit
RED	1	AUIL01RED00	1275
YELLOW	1	AUIL01YEL00	1275
BLUE	1	AUIL01BLU00	1275
GREEN	1	AUIL01GRE00	1275
RED-YELLOW-BLUE	1	AUIL01RYB00	1550

Auxiliary & Accessories for Exora MCBs [8538]



Description	Cat. No.	M.R.P. (₹) Per Unit
Auxiliary Contact - 6A, 240V AC, (1NO+1NC), 0.5 Mod	BZA11006	1065
Shunt Release - 240V AC, 1 Mod	BZS00240	2915
Trip Alarm Contact - 6A, 240V AC, (1NO+1NC), 0.5 Mod	BZT11006	1245

Plugs



Highlights

- › Conforms to IEC 60309 -1&2
- › Mechanical Impact - IK08
- › Ingress Protection - IP44 & IP67
- › Fire Resistance - 850°C as per IEC 60695-2-11
- › Easy Screw connection with same orientation of clamp screws

Description	Cat NO	M.R.P. (₹) Per Unit
Plug - IP44		
16A, 2P+E	PSKPM30164	610
32A, 2P+E	PSKPM30324	960
16A, 3P+E	PSKPM40164	780
32A, 3P+E	PSKPM40324	1135
16A, 3P+N+E	PSKPM50164	820
32A, 3P+N+E	PSKPM50324	1095
Plug - IP67		
16A, 2P + E	PSKPM30167	1355
32A, 2P + E	PSKPM30327	1915
63A, 2P + E	PSKPM30637	5435
16A, 3P + E	PSKPM40167	1530
32A, 3P + E	PSKPM40327	2420
63A, 3P + E	PSKPM40637	5175
16A, 3P + N + F	PSKPM50167	1640
32A, 3P + N + E	PSKPM50327	2085
63A, 3P + N + E	PSKPM50637	5185
125A, 3P + N + E	PSKPM51257	15840

Socket



Highlights

- › Conforms to IEC 60309 -1&2
- › Mechanical Impact - IK08
- › Ingress Protection - IP44 & IP67
- › Fire Resistance - 850°C as per IEC 60695-2-11
- › Easy Screw connection with same orientation of clamp screws

Description	Cat NO	M.R.P. (₹) Per Unit
Socket - IP44		
16A, 2P+E	PSKSM30164	845
32A, 2P+E	PSKSM30324	1180
16A, 3P+E	PSKSM40164	990
16A, 3P + N + E	PSKSM50164	1080
32A, 3P + N + E	PSKSM50324	1445
Socket - IP67		
16A, 2P+E	PSKSM30167	1590
32A, 2P+E	PSKSM30327	2185
63A, 2P+E	PSKSM30637	5915
16A, 3P+E	PSKSM40167	1995
63A, 3P+E	PSKSM40637	5970
16A, 3P + N + E	PSKSM50167	2085
32A, 3P + N + E	PSKSM50327	2440
63A, 3P + N + E	PSKSM50637	6065
125A, 3P + N + E	PSKSM51257	19040

Socket Angled



Highlights

- › Conforms to IEC 60309 -1&2
- › Mechanical Impact - IK08
- › Ingress Protection - IP44 & IP67
- › Fire Resistance - 850°C as per IEC 60695-2-11
- › Easy Screw connection with same orientation of clamp screws

Description	Cat NO	M.R.P. (₹) Per Unit
Socket Angled - IP44		
16A, 2P+E	PSKSA30164	655
32A, 2P+E	PSKSA30324	1160
16A, 3P+E	PSKSA40164	990
32A, 3P+E	PSKSA40324	1370
16A, 3P+N+E	PSKSA50164	1055
32A, 3P+N+E	PSKSA50324	1340
Socket Angled - IP67		
16A, 2P+E	PSKSA30167	1250
32A, 2P+E	PSKSA30327	1630
63A, 2P+E	PSKSA30637	5340
32A, 3P+E	PSKSA40327	2420
63A, 3P+E	PSKSA40637	5350
32A, 3P+N+E	PSKSA50327	1930
63A, 3P+N+E	PSKSA50637	5455
125A, 3P+N+E	PSKSA51257	18105

Socket Straight



Highlights

- › Conforms to IEC 60309 -1&2
- › Mechanical Impact - IK08
- › Ingress Protection - IP44 & IP67
- › Fire Resistance - 850°C as per IEC 60695-2-11
- › Easy Screw connection with same orientation of clamp screws

Description	Cat NO	M.R.P. (₹) Per Unit
Socket Straight- IP44		
16A, 2P+E	PSKSS30164	750
32A, 2P+E	PSKSS30324	1190
32A, 3P+N+E	PSKSS50324	1490
Socket Straight- IP67		
16A, 2P+E	PSKSS30167	1260
63A, 2P+E	PSKSS30637	6465
63A, 3P+E	PSKSS40637	5400
63A, 3P+N+E	PSKSS50637	5400
125A, 3P+N+E	PSKSS51257	18105

Distribution Board suitable for Aluminum shuttering (Mivan) Construction



DBs suitable for Aluminum Shuttering Construction [8537]

SPN DBs

Highlights

- Available in CRCA sheet steel, RAL9003, powder coated
- Ready to use DBs - Provided with 100A insulated phase bus-bar | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification label
- With provision for DP MCB/Isolator/RCCB/RCBO as incomer and SP MCBs as outgoing

Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer + Outgoing			
IP 43 - Metal Door				
4 way	2	2	LTSD04M	*
6 way	2	4	LTSD06M	*
8 way	2	6	LTSD08M	*
12 way	2	10	LTSD12M	*
16 way	2	14	LTSD16M	*

TPN DBs

Highlights

- Available in CRCA sheet steel, RAL 9003, powder coated
- Ready to use DBs - Provided with 100A insulated phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- With provision for FP MCB/Isolator/RCCB/RCBO as incomer and SP MCBs as outgoing

Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer + Outgoing			
IP 43 - Metal Door				
4 way	8	4+4+4	LTTD04M	*
6 way	8	6+6+6	LTTD06M	*
8 way	8	8+8+8	LTTD08M	*

*For details, please contact nearest branch office

EXORA.N
Distribution Boards

**Lauritz
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DESIGN OR SAFETY?
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Highlights

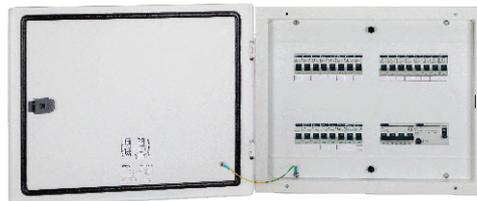
- › Conforms to IEC 61439-1 & 3
- › IK 08-for single door DBs, IK 09-for double door DBs
- › Available in CRCA sheet steel, RAL9003, powder coated
- › Ready to use DBs - Provided with 100A insulated phase bus-bar | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification label
- › With provision for DP MCB/Isolator/RCCB/RCBO as incomer and SP MCBs as outgoing



Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer + Outgoing			
IP 30 - Single Door				
4 way	2	2	DESPN004SDS	1790
6 way	2	4	DESPN006SDS	1875
8 way	2	6	DESPN008SDS	2160
12 way	2	10	DESPN012SDS	2565
16 way	2	14	DESPN016SDS	3140
18 way	2	16	DESPN018SDS	3650
IP 43 - Metal Door				
4 way	2	2	DESPN004DDS	2330
6 way	2	4	DESPN006DDS	2685
8 way	2	6	DESPN008DDS	2875
12 way	2	10	DESPN012DDS	3450
16 way	2	14	DESPN016DDS	4360
18 way	2	16	DESPN018DDS	4565
IP 43 - Glazed Door				
4 way	2	2	DESPN004GDS	3120
6 way	2	4	DESPN006GDS	3320
8 way	2	6	DESPN008GDS	3610
12 way	2	10	DESPN012GDS	4395
16 way	2	14	DESPN016GDS	5460
18 way	2	16	DESPN018GDS	5780
IP 54 - Metal Door				
4 way	2	2	DESPN00454S	8135
6 way	2	4	DESPN00654S	9070
8 way	2	6	DESPN00854S	9645
12 way	2	10	DESPN01254S	11075
16 way	2	14	DESPN01654S	12330
18 way	2	16	DESPN01854S	12605

Highlights

- › Conforms to IEC 61439-1 & 3
- › IK 08-for single door DBs, IK 09-for double door DBs
- › Available in CRCA sheet steel, RAL 9003, powder coated
- › Ready to use DBs - Provided with 100A insulated phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- › With provision for FP MCB/Isolator/RCCB/RCBO as incomer and SPMCBs as outgoing



Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer	Outgoing		
IP 30 - Single Door				
4 way	4	4+4+4	DETPN004SDS	4660
6 way	4	6+6+6	DETPN006SDS	5720
4 way	8	4+4+4	DETPN004SDS	4910
6 way	8	6+6+6	DETPN006SDS	6080
8 way	8	8+8+8	DETPN008SDS	7170
12 way	8	12+12+12	DETPN012SDS	10330
16 way	8	16+16+16	DETPN016SDS	12595
IP 43 - Metal Door				
4 way	4	4+4+4	DETPN004DDS	5480
6 way	4	6+6+6	DETPN006DDS	6810
4 way	8	4+4+4	DETPN004DDS	5730
6 way	8	6+6+6	DETPN006DDS	7140
8 way	8	8+8+8	DETPN008DDS	8570
12 way	8	12+12+12	DETPN012DDS	12780
16 way	8	16+16+16	DETPN016DDS	15860
IP 43 - Glazed Door				
4 way	4	4+4+4	DETPN004GDS	7440
6 way	4	6+6+6	DETPN006GDS	8945
4 way	8	4+4+4	DETPN004GDS	7745
6 way	8	6+6+6	DETPN006GDS	9425
8 way	8	8+8+8	DETPN008GDS	11175
12 way	8	12+12+12	DETPN012GDS	17145
16 way	8	16+16+16	DETPN016GDS	20605
IP 54 - Metal Door				
4 way	4	4+4+4	DETPN00454S	18585
6 way	4	6+6+6	DETPN00654S	21720
4 way	8	4+4+4	DETPN00454S	19645
6 way	8	6+6+6	DETPN00654S	23655
8 way	8	8+8+8	DETPN00854S	25860
12 way	8	12+12+12	DETPN01254S	36450
16 way	8	16+16+16	DETPN01654S	43745

For ordering old DBs, replace Cat no with "DB" instead of "DE".
Eg. - New DB Cat no for SPN 12W DD - DESPN012DDS, Old DB Cat no for same will be DBSPN012DDS. Old DBs are available till stock last.

Highlights

- › Conforms to IEC 61439-1 & 3
- › IK 09-for double door DBs
- › Available in CRCA sheet steel, RAL 9003, powder coated
- › Ready to use DBs - Provided with 100A insulated phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- › With provision for FP MCB / Isolator / RCCB / RCBO as incomer, DP RCCB/RCBO as sub-incomer and SP MCBs as outgoing



Horizontal PPI DBs

IP 43 - Metal Door

Description	No. of Modules			Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer	Sub-Incomer	Outgoing		
IP 43 - Metal Door					
4 way	8	2+2+2	4+4+4	DEHPI004DD	10190
6 way	8	2+2+2	6+6+6	DEHPI006DD	12065
8 way	8	2+2+2	8+8+8	DEHPI008DD	14470
12 way	8	2+2+2	12+12+12	DEHPI012DD	19940
16 way	8	2+2+2	16+16+16	DEHPI016DD	23920



Tier PPI DBs

Description	No. of Modules			Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer	Sub-Incomer	Outgoing		
IP 43 - Metal Door					
6 way	8	2+2+2	6+6+6	DETP1006DD	12485
8 way	8	2+2+2	8+8+8	DETP1008DD	15655
10 way	8	2+2+2	10+10+10	DETP1010DD	16410
12 way	8	2+2+2	12+12+12	DETP1012DD	17385
16 way	8	2+2+2	16+16+16	DETP1016DD	19820
12 way	MCCB*	2+2+2	12+12+12	DETP1012DD	18595

*Suitable for 3 Pole & 4 Pole DU100H, DU100D, DN0-100D & DN0-100C MCCB as incomer

Highlights

- › Conforms to IEC 61439-1 & 3
- › IK 09-for double door DBs
- › Available in CRCA sheet steel, RAL 9003, powder coated
- › Ready to use DBs - Provided with 100A insulated phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- › With provision for
 - » Modular Incomer - FP MCB/Isolator/RCCB/RCBO as incomer, DP RCCB/RCBO as sub-incomer and SP MCBs as outgoing
 - » MCCB Incomer - MCCB* as incomer, DP RCCB/RCBO as sub-incomer and SP MCBs as outgoing



With Modular Incomer

Description	No. of Modules			Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer	Sub-Incomer	Outgoing		
IP 43 - Metal Door					
4 way	8	4+4+4	4+4+4	DEPSG004DD	14965
6 way	8	4+4+4	6+6+6	DEPSG006DD	16875
8 way	8	4+4+4	8+8+8	DEPSG008DD	18825
12 way	8	4+4+4	12+12+12	DEPSG012DD	23355



With MCCB Incomer

Description	No. of Modules			Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer*	Sub-Incomer	Outgoing		
IP 43 - Metal Door					
4 way	MCCB	4+4+4	4+4+4	DEPGL004DD	20585
6 way	MCCB	4+4+4	6+6+6	DEPGL006DD	23540
8 way	MCCB	4+4+4	8+8+8	DEPGL008DD	27225
12 way	MCCB	4+4+4	12+12+12	DEPGL012DD	30705

*Suitable for 3 Pole & 4 Pole DU100H, DU100D, DN0-100D & DN0-100C MCCB as incomer

For ordering old DBs, replace Cat no with "DB" instead of "DE".
Eg. - New DB Cat no for SPN 12W DD - DESPN012DDS, Old DB Cat no for same will be DBSPN012DDS. Old DBs are available till stock last.

Vertical TPN DB with MCCB Incomer [8537]



Highlights

- › Conforms to IEC 61439-1 & 3
- › IK 09-for double door DBs
- › Available in CRCA sheet steel, RAL 9003, powder coated
- › Ready to use DBs - Provided with insulated vertical phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- › With provision for 3 pole and 4 Pole MCCB* as incomer and SP/TP MCCBs as outgoing



Up to 125A MCCB Incomer

Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer*	Outgoing		
IP 43 - Metal Door				
4 way	MCCB	4+4+4	DEVTL004DD	16700
6 way	MCCB	6+6+6	DEVTL006DD	18980
8 way	MCCB	8+8+8	DEVTL008DD	20895
12 way	MCCB	12+12+12	DEVTL012DD	28425
16 way	MCCB	16+16+16	DEVTL016DD	33910
IP 54 - Metal Door				
4 way	MCCB	4+4+4	DEVTL00454	34590
6 way	MCCB	6+6+6	DEVTL00654	39445
8 way	MCCB	8+8+8	DEVTL00854	42700

*Suitable for 3 Pole & 4 Pole DZO MCCB as incomer. In case of any other MCCB frame requirement please contact nearest branch.

Vertical TPN DB with Modular Incomer [8537]



Highlights

- › Conforms to IEC 61439-1 & 3
- › IK 09-for double door DBs
- › Available in CRCA sheet steel, RAL 9003, powder coated
- › Ready to use DBs - Provided with insulated vertical phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- › With provision for FP MCB/Isolator/RCCB/RCBO as incomer and SP/ TP MCCBs as outgoing



Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer	Outgoing		
IP 43 - Metal Door				
4 way	8	4+4+4	DEVTM004DD	14120
6 way	8	6+6+6	DEVTM006DD	15730
8 way	8	8+8+8	DEVTM008DD	18260
12 way	8	12+12+12	DEVTM012DD	24630
16 way	8	16+16+16	DEVTM016DD	29385
IP 54 - Metal Door				
4 way	8	4+4+4	DEVTM00454	29850
6 way	8	6+6+6	DEVTM00654	32565
8 way	8	8+8+8	DEVTM00854	35960

Vertical TPN DB with MCCB Incomer [8537]



Up to 250A MCCB Incomer

Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer*	Outgoing		
IP 43 - Metal Door				
4 way	MCCB	4+4+4	DEVTH004DD	21700
6 way	MCCB	6+6+6	DEVTH006DD	24300
8 way	MCCB	8+8+8	DEVTH008DD	26725
12 way	MCCB	12+12+12	DEVTH012DD	32345
16 way	MCCB	16+16+16	DEVTH016DD	43465
IP 54 - Metal Door				
4 way	MCCB	4+4+4	DEVTH00454	39700
6 way	MCCB	6+6+6	DEVTH00654	43345
8 way	MCCB	8+8+8	DEVTH00854	44830

*Suitable for 3 pole and 4 pole DU250, DU250C & DN1 MCCB as incomer

Flexi/Row DB [8537]



Highlights

- › Conforms to IEC 61439-1 & 3
- › IK 09-for double door DBs
- › Available in CRCA sheet steel, RAL 9003, powder coated
- › Ready to use DBs - neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | cable ties | circuit identification labels
- › With provision to mount modular devices as per requirement



Description	No. of Modules Per Row	Cat. Nos.	M.R.P. (₹) Per Unit
IP 43 - Metal Door			
2 Row 28 Module	14	DEROW228DD	7295
3 Row 42 Module	14	DEROW342DD	8745
4 Row 56 Module	14	DEROW456DD	9510
4 Row 64 Module	16	DEROW464DD	11060

For ordering old DBs, replace Cat no with "DB" instead of "DE".
Eg. - New DB Cat no for SPN 12W DD - DESPN012DDS, Old DB Cat no for same will be DBSPN012DDS. Old DBs are available till stock last.

TPN Phase Selector DB [8537]



Highlights

- › Conforms to IEC 61439-1 & 3
- › IK 09-for double door DBs
- › Available in CRCA sheet steel, RAL 9003, powder coated
- › Ready to use DBs - Provided with 3 nos. of 63A E&A rotary switches | 3 nos. of rocker switches for phase identification | 100A insulated phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- › With provision for - FP MCB/Isolator/RCCB/RCBO as incomer and SP MCBs as outgoing



Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer	Outgoing		
IP 43 - Metal Door				
4 way	8	4+4+4	DEPSR004DD	18380
6 way	8	6+6+6	DEPSR006DD	18675
8 way	8	8+8+8	DEPSR008DD	20005
10 way	8	10+10+10	DEPSR010DD	21375
12 way	8	12+12+12	DEPSR012DD	22535

EV charging DB 8537]



Highlights

- › Engineered specifically Charging application - 3.3 kW
- › Robust earth leakage, short circuit and overload protection with RCBO-
- › Factory fitted RCBO, switch and socket



Description	No. of Modules	Cat. Nos.	M.R.P. (₹) Per Unit
2 way EVDB	2	DEEVC002LD	*
4 way EVDB	4	DEEVC004LD	*

*For details, please contact nearest branch office

Enclosure [8537]



Highlights

- › Conforms to IEC 61439-1 & 3
- › Suitable for Surface and Flush mounting
- › Available in CRCA sheet steel, RAL9003, powder coated
- › With provision to mount MCB/Isolator/RCCB/RCBO and other modular devices



IP 30 - Metal Door

Description	No. of Modules	Cat. Nos.	M.R.P. (₹) Per Unit
IP 30 - Metal Door			
2 way	2	DEENC002SD	910
3 way	3	DEENC003SD	910
4 way	4	DEENC004SD	910
6 way	6	DEENC006SD	1410

For ordering old DBs, replace Cat no with "DB" instead of "DE".

Eq. - New DB Cat no for SPN 12W DD - DESPN012DDS, Old DB Cat no for same will be DBSPN012DDS. Old DBs are available till stock last.

Plug & Socket DB [8537]



Highlights

- › Conforms to IEC 61439-1 & 3
- › Suitable for Surface and Flush mounting
- › Available in CRCA sheet steel, RAL9003, powder coated
- › Loose Metal Plugs & Sockets conforms to IS 8804; available in Single Phase & Three Phase



Metal Plug & Socket

Plastic Plug & Socket

Description	No. of Pins	No. of Modules	Cat. Nos.	M.R.P. (₹) Per Unit
Metal Plug & Sockets				
10 A, 2 Pin + SC ^A	P + N	1	DEMPS110SD	2255
20 A, 2 Pin + SC ^A	P + N	1	DEMPS120SD	2425
20 A, 2 Pin + SC ^A	P + N	2	DEMPS220SD	2630
20 A, 3 Pin + SC ^A	3P	3	DEMPS320SD	4455
32 A, 3 Pin + SC ^A	3P	3	DEMPS332SD	5275
32 A, 3 Pin + SC ^A	3P	4	DEMPS432SD	5610
63 A, 5 Pin + SC ^A	3P+N+E	4	DEMPS463SD	19010
Plastic Plug & Sockets				
16 A, 3 Pin	P+N+E	2	DEPPS316SD	3690
32 A, 3 Pin	P+N+E	4	DEPPS332SD	3980
32 A, 5 Pin	3P+N+E	8	DEPPS532SD	6650
63 A, 5 Pin	3P+N+E	8	DEPPS563SD	16660

Metal Plug [8536]



Description	No. of Pins	Cat. Nos.	M.R.P. (₹) Per Unit
10 A, 2 Pin + SC ^A	P + N	MPS210P	280
20 A, 2 Pin + SC ^A	P + N	MPS220P	295
20 A, 3 Pin + SC ^A	3P	MPS320P	390
32 A, 3 Pin + SC ^A	3P	MPS332P	745

Note: Standard pack quantity - 20 nos.

Metal Socket [8536]



Description	No. of Pins	Cat. Nos.	M.R.P. (₹) Per Unit
10 A, 2 Pin + SC ^A	P + N	MPS210S	290
20 A, 2 Pin + SC ^A	P + N	MPS220S	320
20 A, 3 Pin + SC ^A	3P	MPS320S	440
32 A, 3 Pin + SC ^A	3P	MPS332S	745

^A SC-Scraping Earth

Note: Standard pack quantity - 20 nos.



Highlights

- › Distribution Boards equipped with provisions to mount TV / Telephone splitters
- › Available in SPN & TPN DBs
- › Communication DB equipped with provisions to mount 2 ONT, Spike guard, Data switch, TV / Telephone splitters



TV / Telephone



Communication DB

Cable End Boxes [8537]

Highlights

- › Available in CRCA sheet steel, RAL9003, powder coated
- › Can be either at the top or bottom of the distribution board

Description	Cat. Nos.	M.R.P. (₹) Per Unit
CEB for SPN DBs		
CEB-SPN Double Door, 4 way	DESPN004CBS	995
CEB-SPN Double Door, 6 way	DESPN006CBS	1075
CEB-SPN Double Door, 8 way	DESPN008CBS	1200
CEB-SPN Double Door, 12 way	DESPN012CBS	1335
CEB-SPN Double Door, 16 way	DESPN016CBS	1880
CEB-SPN Double Door, 18 way	DESPN018CBS	1940
CEB for TPN DBs		
CEB-TPE Double Door, 4 way	DETPE004CBS	1285
CEB-TPE Double Door, 6 way	DETPE006CBS	1835
CEB-TPN Double Door, 4 way	DETPN004CBS	1350
CEB-TPN Double Door, 6 way	DETPN006CBS	1890
CEB-TPN Double Door, 8 way	DETPN008CBS	2380
CEB-TPN Double Door, 12 way	DETPN012CBS	3955
CEB-TPN Double Door, 16 way	DETPN016CBS	3995
CEB for Horizontal PPI DBs		
CEB-Horz. PPI Double Door, 4 way	DEHPI004CB	1995
CEB-Horz. PPI Double Door, 6 way	DEHPI006CB	2490
CEB-Horz. PPI Double Door, 8 way	DEHPI008CB	3125
CEB-Horz. PPI Double Door, 12 way	DEHPI012CB	3920
CEB-Horz. PPI Double Door, 16 way	DEHPI016CB	4265
CEB for VTPN DBs		
CEB-VTPN Double Door, Modular Incomer	DEVTMXXCB	1335
CEB-VTPN Double Door, MCCB Incomer	DEVTXXXCB	4715
CEB for Phase Segregated DBs		
CEB-PSG Double Door, 4 way	DEPSG004CB	3500
CEB-PSG Double Door, 6 way	DEPSG006CB	4170
CEB-PSG Double Door, 8 way	DEPSG008CB	4605
CEB-PSG Double Door, 12 way	DEPSG012CB	5125

DB Type	Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
		Incomer + Outgoing			
IP 43 - Metal Door					
SPN	6 way	2	4	DESPN006DDTV	5075
	8 way	2	6	DESPN008DDTV	5455
	12 way	2	10	DESPN012DDTV	6715
	16 way	2	14	DESPN016DDTV	7790
	18 way	2	16	DESPN018DDTV	9215
TPN	4 way	8	4+4+4	DETPN004DDTV	9975
	6 way	8	6+6+6	DETPN006DDTV	11525
	8 way	8	8+8+8	DETPN008DDTV	13740
Communication DB				DECOM01DD	*

* For details, please contact nearest branch office

DB Accessories

Busbar - Fork Type [8538]

Highlights

- › Available in Single Pole, Double Pole, Three Pole and Four Pole versions
- › Material : Copper



Description	Cat. Nos..	M.R.P. (₹) Per Unit	Std. Pack Qty.
SP 13 Mod	BSP13	445	5
SP 56 Mod	BSP56	1820	5
DP 12 Mod	BDP12	790	5
TP 12 Mod	BTP12	855	5
FP 12 Mod	BFP12	1690	5
End Caps for SP	ECP01	30	10
End Caps for DP/TP	ECP03	60	10
End Caps for FP	ECP04	100	10



Blanking Plates [8538]

Highlights

- › Available in One module and Half module

Description	Cat. Nos.	M.R.P. (₹) Per Unit	Std. Pack Qty.
One Module	BKP10	30	10
Half Module	BKP05	30	10



PKD02

Padlock [8301]

Highlights

- › Version with standard lock and a common key

Description	Cat. Nos.	M.R.P. (₹) Per Unit	Std. Pack Qty.
Lock and Key Kit	PKD02	775	5

For ordering old DBs, replace Cat no with "DB" instead of "DE".

Eg. - New DB Cat no for SPN 12W DD - DESPN012DDSD, Old DB Cat no for same will be DBSPN012DDSD. Old DBs are available till stock last.

Discontinued Products/Suggested Alternate Products

Product Group	Discontinued Products	Suggested Alternate Products
MCCB	DTH800 3P & Acc	 DN4-1250N 800A 3P & Acc
Controlgear	MN0 control contactor, its spares and accessories	MO0 control contactor, its spares and accessories
Controlgear	MVO contactors	MNX contactor (up to 650 A)
Controlgear	MR contactors	MNX 2P/ MU-2P
Soft Starters	CSX	xS1000
Soft Starters	CSXi	xS2000
Soft Starters	EMX4e	xS3000
Soft Starters	EMX4i	xS4000
AC Drives	x2000 Series	xD Series
Protection Relay	MC31/MC61	FDR21/FDR22
Protection Relay	TCS01NX	TCS11
FDP	Common Mode SPD	Common+ Differential Mode SPD
Fusegear	Fuse Mounting Kit	

General Terms

All prices are on Maximum retail price basis inclusive of all duties, GST & any other tax as applicable.

Warranty Policy

All products listed in the price list are covered by a warranty against manufacturing defects for a period of 18* months from the date of purchase. For Lauritz Knudsen MCBs & Isolators mounted inside Lauritz Knudsen Distribution Boards, an extended warranty of 5 years is provided.

In the event of a defect due to faulty workmanship or other associated reasons, we will, at our discretion, remedy the defect or replace the faulty parts or the entire product as soon as possible, free of cost.

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Product improvement is a continuous process. For the latest information and special application, please contact any of our offices listed here. Product photographs shown for representative purpose only.



Lauritz Knudsen Electrical & Automation, Electrical Standard Product

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Electrical & Automation

Dear Partner,

Your continued trust and partnership have been the cornerstone of our journey. Building on a legacy of over 70 years, and following our refreshed identity last year, we remain focused on delivering **innovative, reliable, and high-quality products** that power progress.

As part of this journey, we are pleased to **share an updated price list**. This revision reflects our ongoing commitment to **transparency, quality, and excellence**, ensuring you continue to receive the best value and service.

At Lauritz Knudsen, our philosophy remains simple yet powerful: **We listen. We partner. We innovate.**

These words guide our actions and shape the way we grow - together.

We look forward to continuing our collaboration and powering up homes, industries, farms, infrastructure, businesses, and lives - with you by our side.

Wishing you a joyful festive season and continued success.

A handwritten signature in blue ink that reads "Naresh Kumar".

Warm regards,
Naresh Kumar
COO & Sr. VP, Electrical Standard Products
Lauritz Knudsen Electrical & Automation



Lauritz Knudsen Electrical & Automation Final Distribution Products

Lauritz Knudsen's Exora range of modular devices offer MCB, RCCB, Isolator & DB for final distribution of electrical power. Lauritz Knudsen's products are better known for reliability, functionality & ease of use.



Lauritz Knudsen products conform to relevant global standards viz. IEC, EN. They also have BIS, CE marking, CB and KEMA certification.

Contents

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Other Protection & Control Devices

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Note:

[Black colour : HSN code]

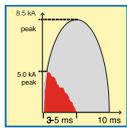
Current GST 18%, subject to changes as per Govt. notification





Safety re-defined

Finger proof terminals eliminate chances of accidental contact with live part. You can install, operate and maintain modular device with total confidence.



Energy limiting class - 3

If fault occurs, the Rapid Arc Quenching mechanism in modular device operates and extinguishes the arc quickly (within 3-5 msec), ensuring lowest possible energy flow through the circuit. This minimize risk of fire and maximizes life of your equipment.



Safety meets superior aesthetics

Ergonomically designed, profiled for superior cooling and manufactured with fire retardant material. Modular device is brought to you keeping in mind utmost user safety.

Key Benefits



True contact indication

E&A modular device range enhances safety through true contact indication even from a distance regardless of its mounting and knob position. Red and Green indication tags provided below the knob positively identify the electrical ON/OFF status, reflecting actual contact status.



Integrated label holder

E&A MCBs are equipped with label holder for easy identification of circuit during operation as well as in maintenance.



Innovatively profiled breathing channels

When two or more poles are placed adjacent to each other, the breathing channels are so profiled that the air circulates around individual pole, resulting in cooler operation.



Large terminal size and Biconnect

Exora MCB's can easily accommodate cables of up to 35 sq.mm. Biconnect terminals offer convenience of connecting both cable and bus bar.



Two position DIN rail clip

Installation on a DIN rail is further simplified with a two-position DIN rail clip as a standard feature. E&A MCB range makes mounting on a standard DIN rail more convenient .



Non-welding contacts

Silver Graphite contact tips ensure higher life and maximum safety against contact welding due to its superior anti-welding properties, enhancing safety and life of the system.



Combihead screw

E&A modular devices with combihead screws, allow you to use standard as well as Philips head screw drivers. E&A modular device range addresses your undefined needs.



Miniature Circuit Breaker (MCB) [8536]

Range Highlights

- › True contact indication for individual pole
- › Label holder facility for all configurations
- › Conforms to IS/IEC 60898 - 10kA
- › Conforms to IS/IEC 60947 - 2
 - › 15kA C-curve till 40 A
 - › 10kA C-curve for 50A, 63A
- › Available in B, C & D curves
- › Low watt loss - almost 50% of the values prescribed by IS/IEC 60898
- › Trip free mechanism
- › Design based on advanced current limiting hammer trip mechanism
- › No Line-Load bias
- › Bi connect feature on both sides
- › Suitable for accessory fitment



Rating	Modules 1 Mod = 17.5 mm	B-Curve Cat. No.	M.R.P. (₹) Per Unit	C-Curve Cat. No.	M.R.P. (₹) Per Unit	D-Curve Cat. No.	M.R.P. (₹) Per Unit
Single Pole (SP)							
0.5A	1	-	-	BB10E50C	540	BB10E50D	560
1A	1	-	-	BB10010C	540	BB10010D	560
2A	1	-	-	BB10020C	540	BB10020D	560
3A	1	-	-	BB10030C	540	BB10030D	560
4A	1	-	-	BB10040C	540	BB10040D	560
6A	1	BB10060B	318	BB10060C	318	BB10060D	470
10A	1	BB10100B	318	BB10100C	318	BB10100D	470
16A	1	BB10160B	318	BB10160C	318	BB10160D	470
20A	1	BB10200B	318	BB10200C	318	BB10200D	470
25A	1	BB10250B	318	BB10250C	318	BB10250D	470
32A	1	BB10320B	318	BB10320C	318	BB10320D	470
40A	1	BB10400B	756	BB10400C	756	BB10400D	840
50A	1	BB10500B	756	BB10500C	756	BB10500D*	840
63A	1	BB10630B	756	BB10630C	756	BB10630D*	840
Double Pole (DP)							
0.5A	2	-	-	BB20E50C	1550	BB20E50D	1575
1A	2	-	-	BB20010C	1550	BB20010D	1575
2A	2	-	-	BB20020C	1550	BB20020D	1575
3A	2	-	-	BB20030C	1550	BB20030D	1575
4A	2	-	-	BB20040C	1550	BB20040D	1575
6A	2	BB20060B	1080	BB20060C	1080	BB20060D	1145
10A	2	BB20100B	1080	BB20100C	1080	BB20100D	1145
16A	2	BB20160B	1080	BB20160C	1080	BB20160D	1145
20A	2	BB20200B	1080	BB20200C	1080	BB20200D	1145
25A	2	BB20250B	1080	BB20250C	1080	BB20250D	1145
32A	2	BB20320B	1080	BB20320C	1080	BB20320D	1145
40A	2	BB20400B	1760	BB20400C	1760	BB20400D	1870
50A	2	BB20500B	1760	BB20500C	1760	BB20500D*	1870
63A	2	BB20630B	1760	BB20630C	1760	BB20630D*	1870
Three Pole (TP)							
0.5A	3	-	-	BB30E50C	2255	BB30E50D	2290
1A	3	-	-	BB30010C	2255	BB30010D	2290
2A	3	-	-	BB30020C	2255	BB30020D	2290
3A	3	-	-	BB30030C	2255	BB30030D	2290
4A	3	-	-	BB30040C	2255	BB30040D	2290
6A	3	BB30060B	1700	BB30060C	1700	BB30060D	1825
10A	3	BB30100B	1700	BB30100C	1700	BB30100D	1825
16A	3	BB30160B	1700	BB30160C	1700	BB30160D	1825
20A	3	BB30200B	1700	BB30200C	1700	BB30200D	1825
25A	3	BB30250B	1700	BB30250C	1700	BB30250D	1825
32A	3	BB30320B	1700	BB30320C	1700	BB30320D	1825
40A	3	BB30400B	2650	BB30400C	2650	BB30400D	2825
50A	3	BB30500B	2650	BB30500C	2650	BB30500D*	2825
63A	3	BB30630B	2650	BB30630C	2650	BB30630D*	2825

Note: Standard Pack Quantity for MCB : SP - 12 Nos., DP - 6 Nos., TP - 4 Nos., FP - 3 Nos.

*For details, please contact nearest branch office

Miniature Circuit Breaker (MCB) [8536]



Rating	Modules 1 Mod = 17.5 mm	B-Curve Cat. No.	M.R.P. (₹) Per Unit	C-Curve Cat. No.	M.R.P. (₹) Per Unit	D-Curve Cat. No.	M.R.P. (₹) Per Unit
Four Pole (FP)							
0.5A	4	-	-	BB40E50C	2840	BB40E50D	2845
1A	4	-	-	BB40010C	2840	BB40010D	2845
2A	4	-	-	BB40020C	2840	BB40020D	2845
3A	4	-	-	BB40030C	2840	BB40030D	2845
4A	4	-	-	BB40040C	2840	BB40040D	2845
6A	4	BB40060B	2355	BB40060C	2355	BB40060D	2460
10A	4	BB40100B	2355	BB40100C	2355	BB40100D	2460
16A	4	BB40160B	2355	BB40160C	2355	BB40160D	2460
20A	4	BB40200B	2355	BB40200C	2355	BB40200D	2460
25A	4	BB40250B	2355	BB40250C	2355	BB40250D	2460
32A	4	BB40320B	2355	BB40320C	2355	BB40320D	2460
40A	4	BB40400B	3305	BB40400C	3305	BB40400D	3640
50A	4	BB40500B	3305	BB40500C	3305	BB40500D*	3640
63A	4	BB40630B	3305	BB40630C	3305	BB40630D*	3640

Note: Standard Pack Quantity for MCB : SP - 12 Nos., DP - 6 Nos., TP - 4 Nos., FP - 3 Nos.

*For details, please contact nearest branch office

MCBs (Miniature Circuit Breakers) : 80A-125A [8536]

Range Highlights

- › Short circuit Breaking Capacity - 15kA (IS/IEC 60947-2, EN 60947-2)
- › C & D Characteristics
- › Available in SP, DP, TP and FP
- › Suitable for Isolation
- › Protection Degree - IP 20
- › Availability of wide Range of Site Mountable Accessories



Rating	Modules 1 Mod = 17.5 mm	C Curve Cat. No.	M.R.P. (₹) Per Unit	D Curve Cat. No.	M.R.P. (₹) Per Unit
Single Pole (SP)					
80A	1.5	AU15S10803C	3175	AU15S10803D	3615
100A	1.5	AU15S11003C	3560	AU15S11003D	4045
125A	1.5	AU15S11253C	3830	AU15S11253D	4370
Double Pole (DP)					
80A	3	AU15S20803C	7035	AU15S20803D	8010
100A	3	AU15S21003C	7505	AU15S21003D	8535
125A	3	AU15S21253C	8260	AU15S21253D	9390
Three Pole (TP)					
80A	4.5	AU15S30803C	11100	AU15S30803D	12640
100A	4.5	AU15S31003C	11840	AU15S31003D	13455
125A	4.5	AU15S31253C	13140	AU15S31253D	14930
Four Pole (FP)					
80A	6	AU15S40803C	14500	AU15S40803D	16465
100A	6	AU15S41003C	15080	AU15S41003D	17160
125A	6	AU15S41253C	17080	AU15S41253D	19415

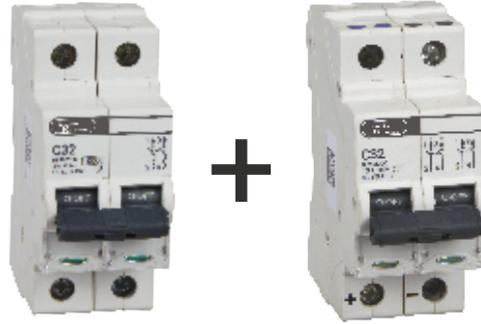
**CERTIFIED TO LEAD,
TRUSTED FOR SAFETY.**

BIS-Certified HR MCBs Range - 80A, 100A & 125A



Solar Combo MCBs [8536]

(AC MCB + DC MCB)



AC MCB[^] with C-Curve

Description	Modules 1 Mod = 17.5mm	Cat. No.	M.R.P. (₹) Per Unit
1 AC 16A DP MCB [^] + 1 DC 16A DP 500V MCB	2+2	SC221616	1900
New 1 AC 20A DP MCB [^] + 1 DC 20A DP 500V MCB	2+2	SC222020	1900
New 1 AC 20A DP MCB [^] + 1 DC 25A DP 500V MCB	2+2	SC222025	1900
New 1 AC 20A DP MCB [^] + 1 DC 32A DP 500V MCB	2+2	SC222032	1900
1 AC 25A DP MCB [^] + 1 DC 16A DP 500V MCB	2+2	SC222516	1900
New 1 AC 25A DP MCB [^] + 1 DC 25A DP 500V MCB	2+2	SC222525	1900
1 AC 32A DP MCB [^] + 1 DC 16A DP 500V MCB	2+2	SC223216	1900
New 1 AC 32A DP MCB [^] + 1 DC 25A DP 500V MCB	2+2	SC223225	1900
1 AC 32A DP MCB [^] + 1 DC 32A DP 500V MCB	2+2	SC223232	1900

Double the Protection, Twice the Power!

Complete Protection for Solar Rooftop Installations

DC MCB :

10kA as per IEC 60947-2

AC MCB
10kA as per IS/IEC 60898-1



Miniature Circuit Breaker (MCB) [8536]

DC MCBs as per IEC 60947-2 [8536]

Rated Voltage:
Breaking capacity of 6 kA - BB Series DC MCBs

130V DC SP MCB



Rating	Modules 1 Mod = 17.5mm	Cat. No.	M.R.P. (₹) Per Unit
Single Pole (SP)			
0.5A	1	BB10E5DC	755
1A	1	BB1001DC	755
2A	1	BB1002DC	755
3A	1	BB1003DC	755
4A	1	BB1004DC	755
6A	1	BB1006DC	655
10A	1	BB1010DC	655
16A	1	BB1016DC	655
20A	1	BB1020DC	655
25A	1	BB1025DC	655
32A	1	BB1032DC	655
40A	1	BB1040DC	860
50A	1	BB1050DC	860
63A	1	BB1063DC	860

Rated Voltage:
Breaking capacity of BJ Series DC MCBs
» 10kA till 40 A
» 6kA for 50A, 63A

250V DC SP MCB

Rating	Modules 1 Mod = 17.5mm	Cat. No.	M.R.P. (₹) Per Unit
Single Pole (SP)			
0.5A	1	BJ10E5DC	895
1A	1	BJ1001DC	895
2A	1	BJ1002DC	895
3A	1	BJ1003DC	895
4A	1	BJ1004DC	895
6A	1	BJ1006DC	730
10A	1	BJ1010DC	730
16A	1	BJ1016DC	730
20A	1	BJ1020DC	730
25A	1	BJ1025DC	730
32A	1	BJ1032DC	730
40A	1	BJ1040DC	1010
50A	1	BJ1050DC	1010
63A	1	BJ1063DC	1010

250V DC DP MCB



0.5A	2	BB20E5DC	1615
1A	2	BB2001DC	1615
2A	2	BB2002DC	1615
3A	2	BB2003DC	1615
4A	2	BB2004DC	1615
6A	2	BB2006DC	1420
10A	2	BB2010DC	1420
16A	2	BB2016DC	1420
20A	2	BB2020DC	1420
25A	2	BB2025DC	1420
32A	2	BB2032DC	1420
40A	2	BB2040DC	1920
50A	2	BB2050DC	1920
63A	2	BB2063DC	1920

500V DC DP MCB

0.5A	2	BJ20E5DC	1865
1A	2	BJ2001DC	1865
2A	2	BJ2002DC	1865
3A	2	BJ2003DC	1865
4A	2	BJ2004DC	1865
6A	2	BJ2006DC	1575
10A	2	BJ2010DC	1575
16A	2	BJ2016DC	1575
20A	2	BJ2020DC	1575
25A	2	BJ2025DC	1575
32A	2	BJ2032DC	1575
40A	2	BJ2040DC	2005
50A	2	BJ2050DC	2005
63A	2	BJ2063DC	2005

Note: Standard Pack Quantity for MCB : SP - 12 Nos., DP - 6 Nos.

1000V DC MCBs [8536]

Rated Voltage: 1000V DC
with breaking capacity of 6 kA - BK Series DC MCBs

New



Description	Modules 1 Mod = 17.5mm	Cat. No.	M.R.P. (₹) Per Unit
DP 6A 1000V DC 6kA MCB	4	BK2006DC	2400
DP 10A 1000V DC 6kA MCB	4	BK2010DC	2400
DP 16A 1000V DC 6kA MCB	4	BK2016DC	2400
DP 20A 1000V DC 6kA MCB	4	BK2020DC	2400
DP 25A 1000V DC 6kA MCB	4	BK2025DC	2400
DP 32A 1000V DC 6kA MCB	4	BK2032DC	2400
DP 40A 1000V DC 6kA MCB	4	BK2040DC	2915
DP 50A 1000V DC 6kA MCB	4	BK2050DC	2915
DP 63A 1000V DC 6kA MCB	4	BK2063DC	2915

Isolators [8536]



Range Highlights

- › Conforms to IEC 60947-3
- › Utilization category AC-22A
- › Available in DP, TP and FP versions in 40A, 63A, 80A & 100A ratings

Rating	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit
Double Pole (DP)			Three Pole (TP)			Four Pole (FP)			
40A	2	BF204000	685	3	BF304000	1190	4	BF404000	1525
63A	2	BF206300	870	3	BF306300	1370	4	BF406300	1595
80A	2	BF208000	1110	3	BF308000	1505	4	BF408000	1785
100A	2	BF210000	1165	3	BF310000	1605	4	BF410000	1930

Note: Standard Pack Quantity for Isolator : DP - 6 Nos., TP - 4 Nos., FP - 3 Nos.

RCCB (Residual Current Circuit Breaker) [8536]

Range Highlights

- › Conforms to IS 12640 (Part 1) / IEC 61008-1
- › RCCBs are available in DP and FP versions from 25 to 100A ratings with 30 mA, 100 mA and 300mA sensitivity



- › Truly current operated - operation even at nominal Voltage
- › Operates on Core Balance Current Transformer (CBCT) principle
- › Advanced neutral mechanism

Rating	Sensitivity	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit
Double Pole (DP)				
25A	30 mA	2	BG202503	3685
	100 mA	2	BG202510	3910
	300 mA	2	BG202530	3910
32A	30 mA	2	BG203203	4135
	100 mA	2	BG203210	4470
	300 mA	2	BG203230	4470
40A	30 mA	2	BG204003	4135
	100 mA	2	BG204010	4470
	300 mA	2	BG204030	4470
63A	30 mA	2	BG206303	5160
	100 mA	2	BG206310	5390
	300 mA	2	BG206330	5390
100A	30 mA	2	BG210003	9270
	100 mA	2	BG210010	9385
	300 mA	2	BG210030	9385

Rating	Sensitivity	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit
Four Pole (FP)				
25A	30 mA	4	BG402503	4825
	100 mA	4	BG402510	5050
	300 mA	4	BG402530	5050
32A	30 mA	4	BG403203	4870
	100 mA	4	BG403210	5135
	300 mA	4	BG403230	5135
40A	30 mA	4	BG404003	4870
	100 mA	4	BG404010	5135
	300 mA	4	BG404030	5135
63A	30 mA	4	BG406303	5510
	100 mA	4	BG406310	5890
	300 mA	4	BG406330	5890
100A	30 mA	4	BG410003	9600
	100 mA	4	BG410010	9955
	300 mA	4	BG410030	9955

RCCBs (Residual Current Circuit Breakers) : Type-Adi (with Added immunity) [8536]



Range Highlights

- › Wide Range of Current Ratings - 25A to 100A
- › Precise Sensitivities for variety of applications - from 30mA to 300mA
- › 2P & 4P versions
- › Suitable for Isolation
- › Protection Degree - IP 20
- › Availability of wide Range of Site Mountable Accessories
- › Type Adi: Suitable for AC + Pulsating DC (Type A) + Harmonics

Rating	Sensitivity	Modules 1 Mod = 17.5 mm	CAT Nos.	M.R.P. (₹) Per Unit
2P Adi				
25A	30mA	2	AURAD202503	6395
	100mA	2	AURAD202510	6690
	300mA	2	AURAD202530	6690
40A	30mA	2	AURAD204003	6785
	100mA	2	AURAD204010	6895
	300mA	2	AURAD204030	6895
63A	30mA	2	AURAD206303	7940
	100mA	2	AURAD206310	8090
	300mA	2	AURAD206330	8090
100A	30mA	2	AURAD210003	11730

Rating	Sensitivity	Modules 1 Mod = 17.5 mm	CAT Nos.	M.R.P. (₹) Per Unit
4P Adi				
25A	30mA	4	AURAD402503	7735
	100mA	4	AURAD402510	7880
	300mA	4	AURAD402530	7880
40A	30mA	4	AURAD404003	8030
	100mA	4	AURAD404010	8155
	300mA	4	AURAD404030	8155
63A	30mA	4	AURAD406303	8745
	100mA	4	AURAD406310	8925
	300mA	4	AURAD406330	8925
100A	30mA	4	AURAD410003	13930
	300mA	4	AURAD410030	13930

All-Rounder RCDs (RCCB & RCBO)

Specially designed Adi RCDs ensure Safe and Reliable protection for All Applications in AC networks with Pulsating DC along with Harmonics



Added Immunity

RCBOs (Residual Current Breaker with Overcurrent Protection) [8536]

Range Highlights*

- › Conforms to IEC 61009-1, IS 12640-2, EN 61009-1
- › Short circuit Breaking Capacity - 10kA
- › Precise Sensitivities for a variety of applications
 - › from 10mA to 300mA
- › Suitable for Isolation

Type-AC

Rating	Sensitivity	Modules 1 Mod = 17.5 mm	CAT Nos.	M.R.P. (₹) Per Unit
2P AC*				
6A	10mA	2	AUF3C200601	5835
	30mA	2	AUF3C200603	5835
	100mA	2	AUF3C200610	5955
	300mA	2	AUF3C200630	6025
10A	10mA	2	AUF3C201001	5835
	30mA	2	AUF3C201003	5835
	100mA	2	AUF3C201010	5955
	300mA	2	AUF3C201030	6025
16A	10mA	2	AUF3C201601	5835
	30mA	2	AUF3C201603	5835
	100mA	2	AUF3C201610	5955
	300mA	2	AUF3C201630	6025
20A	30mA	2	AUF3C202003	5835
	100mA	2	AUF3C202010	5955
	300mA	2	AUF3C202030	6025
25A	30mA	2	AUF3C202503	5835
	100mA	2	AUF3C202510	5955
	300mA	2	AUF3C202530	6025
32A	30mA	2	AUF3C203203	5835
	100mA	2	AUF3C203210	5955
	300mA	2	AUF3C203230	6025
40A	30mA	2	AUF3C204003	5835
	100mA	2	AUF3C204010	5955
	300mA	2	AUF3C204030	6025
63A	30mA	4	AUF3C206303	6930
	100mA	4	AUF3C206310	7350
	300mA	4	AUF3C206330	7410
4P AC				
16A	30mA	7.5	AUF3C401603	6265
	100mA	7.5	AUF3C401610	6975
	300mA	7.5	AUF3C401630	7115
20A	30mA	7.5	AUF3C402003	6265
	100mA	7.5	AUF3C402010	6975
	300mA	7.5	AUF3C402030	7115
25A	30mA	7.5	AUF3C402503	6265
	100mA	7.5	AUF3C402510	6975
	300mA	7.5	AUF3C402530	7115
32A	30mA	7.5	AUF3C403203	6470
	100mA	7.5	AUF3C403210	6980
	300mA	7.5	AUF3C403230	7135
40A	30mA	7.5	AUF3C404003	6570
	100mA	7.5	AUF3C404010	6980
	300mA	7.5	AUF3C404030	7155
63A	30mA	7.5	AUF3C406303	7875
	100mA	7.5	AUF3C406310	8020
	300mA	7.5	AUF3C406330	8020
80A	30mA	12	AUF3C408003	30515
	100mA	12	AUF3C408010	31195
	300mA	12	AUF3C408030	31195
100A	30mA	12	AUF3C410003	32620
	100mA	12	AUF3C410010	33400
	300mA	12	AUF3C410030	33400



Type-Adi

Rating	Sensitivity	Modules 1 Mod = 17.5 mm	CAT Nos.	M.R.P. (₹) Per Unit
2P Adi				
6A	30mA	2	AUF3D200603	7875
	100mA	2	AUF3D200610	8675
	300mA	2	AUF3D200630	9000
10A	30mA	2	AUF3D201003	7875
	100mA	2	AUF3D201010	8675
	300mA	2	AUF3D201030	9000
16A	30mA	2	AUF3D201603	7875
	100mA	2	AUF3D201610	8675
	300mA	2	AUF3D201630	9000
20A	30mA	2	AUF3D202003	7875
	100mA	2	AUF3D202010	8675
	300mA	2	AUF3D202030	9000
25A	30mA	2	AUF3D202503	7875
	100mA	2	AUF3D202510	8675
	300mA	2	AUF3D202530	9000
32A	30mA	2	AUF3D203203	7875
	100mA	2	AUF3D203210	8675
	300mA	2	AUF3D203230	9000
40A	30mA	2	AUF3D204003	7875
	100mA	2	AUF3D204010	8675
	300mA	2	AUF3D204030	9000
63A	30mA	4	AUF3D206303	9110
	100mA	4	AUF3D206310	9635
	300mA	4	AUF3D206330	9720
4P Adi				
16A	30mA	7.5	AUF3D401603	8230
	100mA	7.5	AUF3D401610	9150
	300mA	7.5	AUF3D401630	9340
20A	30mA	7.5	AUF3D402003	8230
	100mA	7.5	AUF3D402010	9150
	300mA	7.5	AUF3D402030	9340
25A	30mA	7.5	AUF3D402503	8230
	100mA	7.5	AUF3D402510	9150
	300mA	7.5	AUF3D402530	9340
32A	30mA	7.5	AUF3D403203	8490
	100mA	7.5	AUF3D403210	9160
	300mA	7.5	AUF3D403230	9350
40A	30mA	7.5	AUF3D404003	8620
	100mA	7.5	AUF3D404010	9160
	300mA	7.5	AUF3D404030	9390
63A	30mA	7.5	AUF3D406303	10330
	100mA	7.5	AUF3D406310	10540
	300mA	7.5	AUF3D406330	10540
80A	30mA	12	AUF3D408003	30515
	100mA	12	AUF3D408010	31195
	300mA	12	AUF3D408030	31195
100A	30mA	12	AUF3D410003	32620
	100mA	12	AUF3D410010	33400
	300mA	12	AUF3D410030	33400

*For technical details, please contact nearest branch office

#For 2P AC/Adi D Curve RCBO, please contact nearest branch office

SPDs (Surge Protection Devices) [8536]



Range Highlights

- › Conforms to IEC 61643-11
- › Available in Type 2 and Type 1+2
- › Type 2 : Protection against indirect lightning and switching surges
 - » Maximum Discharge Current - I_{max} up to 70kA
- › Type 1+2 : Protection against direct and indirect lightning surges
 - » Maximum Discharge Current - I_{max} up to 100kA



440V Application (Common + Differential Mode)

Description	I _{max}	Configuration	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit
Type 1+2, I _{imp} 12.5kA	50kA	1P+N	2	AUSP121PN50D	11955
		3P+N	4	AUSP123PN50D	22900
Type 2	40kA	1P+N	1	AUSP021PN40D	7475
		3P+N	2	AUSP023PN40D	14935
Type 2	15kA	1P+N	1	AUSP021PN15D	5980
		3P+N	2	AUSP023PN15D	11760
Type 1+2, I _{imp} 8kA	100kA	1P+N	2	AUSP121PN100D	10750
		3P+N	4	AUSP123PN100D	21120
Type 2	70kA	1P+N	2	AUSP021PN70D	11740
		3P+N	4	AUSP023PN70D	19550

800V Solar Application

Description	Configuration	Modules 1 Mod = 17.5 mm	Voltage (Uc)	Cat. No.	M.R.P. (₹) Per Unit
Type 2, I _{max} 40kA	3P	4	1500	AUSP023P40-1500	15000
Type 1+2, I _{imp} 12.5kA	3P	5	1360	AUSP123P50-1360	45000
Type 1+2, I _{imp} 12.5kA	3P	4	880	AUSP123P50-880	30000

SPD Cartridges

Description	Cat. No.	M.R.P. (₹) Per Unit
Cartridge for AUSP021PN15D	AUSC021PN15D	2940
Cartridge for AUSP021PN40D	AUSC021PN40D	3660
Cartridge for AUSP021PN70D / AUSP023PN70D	AUSC021PN70D	3915
Cartridge for AUSP023PN15D [#]	AUSC023PN15D	3845
Cartridge for AUSP023PN40D [#]	AUSC023PN40D	4885
Cartridge for AUSP121PN100D / AUSP123PN100D	AUSC121PN100D	5865
Cartridge for AUSP121PN50D / AUSP123PN50D	AUSC121PN50D	6330
Cartridge for AUSP023PN15D [#]	AUSC023PN15DG	4455
Cartridge for AUSP023PN40D [#]	AUSC023PN40DG	4650

[#]For technical details, please contact nearest branch office

ACCL (Automatic Changeover with Current Limiter) [8536]

Single Phase ACCL



Range Highlights

- › Conforms to IEC 60947-6, IEC 60947-3
- › Wide Range of Current Ratings
 - » (Generator side) - 1A to 30A
 - » (Electricity Board side) - 30A
- › RoHS compliant

Description EB/DG	Modules 1 Mod = 17.5 mm	CAT Nos.	M.R.P. (₹) Per Unit
30A/1A	4	AUCL01030001	2930
30A/1.5A	4	AUCL010301E5	2930
30A/2A	4	AUCL01030002	2930
30A/2.5A	4	AUCL010302E5	2930
30A/3A	4	AUCL01030003	2930
30A/4A	4	AUCL01030004	2930
30A/5A	4	AUCL01030005	2930
30A/6A	4	AUCL01030006	2930
30A/8A	4	AUCL01030008	2930
30A/10A	4	AUCL01030010	2930
30A/12A	4	AUCL01030012	2930
30A/15A	4	AUCL01030015	2930
30A/20A	4	AUCL01030020	2930
30A/30A	4	AUCL01030030*	2930

*Non-current limiting variant

Three Phase ACCL



Range Highlights

- › Settable overload current limit at DG side
- › Separate power consumption monitoring for Mains & Genset
- › Settable overvoltage & undervoltage protection
- › Settable TPN or SPN mode at DG side
- › Protection against single phasing

Description (AC-1) EB/DG	Cat. No.	M.R.P. (₹) Per Unit
32A / 32A	AUCL03032032	14385
40A / 32A	AUCL03040032	14825
40A / 40A	AUCL03040040	16045
50A / 50A	AUCL03050050	22870
63A / 50A	AUCL03063050	25235
63A / 63A	AUCL03063063	28585
80A / 80A	AUCL03080080	43565
125A / 125A	AUCL03125125	73335

For 3 Phase ACCL programming video please scan the QR code or click here



Changeover Switches [8536]



Range Highlights

- › Conforms to IEC 60947-3 and IS/IEC 60947-3
- › Available in 3 positions (I-O-II) with centre off position
- › Utilization category AC-22A

Rating	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit
Double Pole			
25A	2	AUC00202500	1975
40A	2	AUC00204000	3020
63A	3	AUC00206300	3515
Four Pole			
40A	4	AUC00404000	5205
63A	6	AUC00406300	5900

Accessories

Accessories [8538]



All Half Module and One Module Accessories are common for AU MCBs, RCCBs and RCBOs

Description	Configuration	Modules 1 Mod = 17.5 mm	Voltage	CAT Nos.	M.R.P. (₹) Per Unit
Auxiliary Contact	1NO+1NC	0.5	240V AC, 24V DC	AUAXAC240	1110
AUX/TAC*	1NO+1NC	0.5	240V AC, 24V DC	AUATAC240	1300
HR AUX/TAC*	1NO+1NC	0.5	240V AC, 24V DC	AUATAC240HR	1300
Undervoltage Release	-	1	240V AC	AUUVC240	2625
Release	-	1	24V DC	AUUVC024	2625
Overvoltage Release	-	1	240V AC	AUOVAC240	3245
Shunt Release	-	1	240V AC	AUSRAC240	3010
	-	1	24V DC	AUSRDC024	3010
Padlock-Suitable for Lock Hasp 3.5 - 5 mm dia. max	Suitable for 1Pole=1Mod devices: RCCBs, RCBOs, Changeover Switches up to 40A			AUPD01	595
	Suitable for 1Pole-1.5Mod devices: MCBs 80A-125A, Changeover Switch 63A			AUPD02	670

Note: Standard Pack Quantity for Padlock - 2 Nos.

*For 80A-125A MCBs please contact nearest branch office

Control & Monitoring Devices

Modular Contactors [8536]



Range Highlights

- › Wide Range of Current Ratings:
 - › 25A, 40A and 63A
- › Conforms to :
 - › IEC 61095, EN 61095
 - › IEC 60947-4-1, EN 60947-4-1
 - › IEC 60947-5-1
- › Protection Degree IP 20

Description (AC-1)	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit
25A-1NO	1	AUMC1002501	2215
25A-2NO	1	AUMC2002501	2780
40A-2NO	3	AUMC2004003	4750
40A-3NO	3	AUMC3004003	6810
40A-4NO	3	AUMC4004003	7985
63A-2NO+2NC	3	AUMC2206303	8445
63A-3NO	3	AUMC3006303	8650
63A-4NO	3	AUMC4006303	9525
Accessory [8538]			
Auxiliary Contact, 2NO	0.5	AUMCAUX240	2070

Energy Meters [9030]



Range Highlights

- › DIN mounting whole current operated meter
- › Accuracy Class 1.0
- › Inbuilt RS485 option
- › **Parameters :** Voltage, Current, kW, kWh, kVA, kVAh, RPM, Load hours, Interruptions

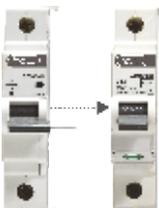
Description	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit
Single Phase - 60A	2	WD4010100000	3410
Three Phase - 80A	5	WD4020100000	7385
Single Phase - 60A (RS485)	2	WD4010110000	5045
Three Phase - 80A (RS485)	5	WD4020110000	11145

Indicating Lights [8531]



Description	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit
RED	1	AUIL01RED00	1275
YELLOW	1	AUIL01YEL00	1275
BLUE	1	AUIL01BLU00	1275
GREEN	1	AUIL01GRE00	1275
RED-YELLOW-BLUE	1	AUIL01RYB00	1550

Auxiliary & Accessories for Exora MCBs [8538]



Description	Cat. No.	M.R.P. (₹) Per Unit
Auxiliary Contact - 6A, 240V AC, (1NO+1NC), 0.5 Mod	BZA11006	1065
Shunt Release - 240V AC, 1 Mod	BZS00240	2915
Trip Alarm Contact - 6A, 240V AC, (1NO+1NC), 0.5 Mod	BZT11006	1245

Plugs



Highlights

- › Conforms to IEC 60309 -1&2
- › Mechanical Impact - IK08
- › Ingress Protection - IP44 & IP67
- › Fire Resistance - 850°C as per IEC 60695-2-11
- › Easy Screw connection with same orientation of clamp screws

Description	Cat NO	M.R.P. (₹) Per Unit
Plug - IP44		
16A, 2P+E	PSKPM30164	610
32A, 2P+E	PSKPM30324	960
16A, 3P+E	PSKPM40164	780
32A, 3P+E	PSKPM40324	1135
16A, 3P+N+E	PSKPM50164	820
32A, 3P+N+E	PSKPM50324	1095
Plug - IP67		
16A, 2P + E	PSKPM30167	1355
32A, 2P + E	PSKPM30327	1915
63A, 2P + E	PSKPM30637	5435
16A, 3P + E	PSKPM40167	1530
32A, 3P + E	PSKPM40327	2420
63A, 3P + E	PSKPM40637	5175
16A, 3P + N + F	PSKPM50167	1640
32A, 3P + N + E	PSKPM50327	2085
63A, 3P + N + E	PSKPM50637	5185
125A, 3P + N + E	PSKPM51257	15840

Socket



Highlights

- › Conforms to IEC 60309 -1&2
- › Mechanical Impact - IK08
- › Ingress Protection - IP44 & IP67
- › Fire Resistance - 850°C as per IEC 60695-2-11
- › Easy Screw connection with same orientation of clamp screws

Description	Cat NO	M.R.P. (₹) Per Unit
Socket - IP44		
16A, 2P+E	PSKSM30164	845
32A, 2P+E	PSKSM30324	1180
16A, 3P+E	PSKSM40164	990
16A, 3P + N + E	PSKSM50164	1080
32A, 3P + N + E	PSKSM50324	1445
Socket - IP67		
16A, 2P+E	PSKSM30167	1590
32A, 2P+E	PSKSM30327	2185
63A, 2P+E	PSKSM30637	5915
16A, 3P+E	PSKSM40167	1995
63A, 3P+E	PSKSM40637	5970
16A, 3P + N + E	PSKSM50167	2085
32A, 3P + N + E	PSKSM50327	2440
63A, 3P + N + E	PSKSM50637	6065
125A, 3P + N + E	PSKSM51257	19040

Socket Angled



Highlights

- › Conforms to IEC 60309 -1&2
- › Mechanical Impact - IK08
- › Ingress Protection - IP44 & IP67
- › Fire Resistance - 850°C as per IEC 60695-2-11
- › Easy Screw connection with same orientation of clamp screws

Description	Cat NO	M.R.P. (₹) Per Unit
Socket Angled - IP44		
16A, 2P+E	PSKSA30164	655
32A, 2P+E	PSKSA30324	1160
16A, 3P+E	PSKSA40164	990
32A, 3P+E	PSKSA40324	1370
16A, 3P+N+E	PSKSA50164	1055
32A, 3P+N+E	PSKSA50324	1340
Socket Angled - IP67		
16A, 2P+E	PSKSA30167	1250
32A, 2P+E	PSKSA30327	1630
63A, 2P+E	PSKSA30637	5340
32A, 3P+E	PSKSA40327	2420
63A, 3P+E	PSKSA40637	5350
32A, 3P+N+E	PSKSA50327	1930
63A, 3P+N+E	PSKSA50637	5455
125A, 3P+N+E	PSKSA51257	18105

Socket Straight



Highlights

- › Conforms to IEC 60309 -1&2
- › Mechanical Impact - IK08
- › Ingress Protection - IP44 & IP67
- › Fire Resistance - 850°C as per IEC 60695-2-11
- › Easy Screw connection with same orientation of clamp screws

Description	Cat NO	M.R.P. (₹) Per Unit
Socket Straight- IP44		
16A, 2P+E	PSKSS30164	750
32A, 2P+E	PSKSS30324	1190
32A, 3P+N+E	PSKSS50324	1490
Socket Straight- IP67		
16A, 2P+E	PSKSS30167	1260
63A, 2P+E	PSKSS30637	6465
63A, 3P+E	PSKSS40637	5400
63A, 3P+N+E	PSKSS50637	5400
125A, 3P+N+E	PSKSS51257	18105

Distribution Board suitable for Aluminum shuttering (Mivan) Construction



DBs suitable for Aluminum Shuttering Construction [8537]

SPN DBs

Highlights

- Available in CRCA sheet steel, RAL9003, powder coated
- Ready to use DBs - Provided with 100A insulated phase bus-bar | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification label
- With provision for DP MCB/Isolator/RCCB/RCBO as incomer and SP MCBs as outgoing

Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer + Outgoing			
IP 43 - Metal Door				
4 way	2	2	LTSD04M	*
6 way	2	4	LTSD06M	*
8 way	2	6	LTSD08M	*
12 way	2	10	LTSD12M	*
16 way	2	14	LTSD16M	*

TPN DBs

Highlights

- Available in CRCA sheet steel, RAL 9003, powder coated
- Ready to use DBs - Provided with 100A insulated phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- With provision for FP MCB/Isolator/RCCB/RCBO as incomer and SP MCBs as outgoing

Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer + Outgoing			
IP 43 - Metal Door				
4 way	8	4+4+4	LTTD04M	*
6 way	8	6+6+6	LTTD06M	*
8 way	8	8+8+8	LTTD08M	*

*For details, please contact nearest branch office

EXORA.N
Distribution Boards

**Lauritz
Knudsen**
Electrical & Automation

DESIGN OR SAFETY?
OBVIOUSLY BOTH. OBVIOUSLY EXORA.N DB.

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Highlights

- › Conforms to IEC 61439-1 & 3
- › IK 08-for single door DBs, IK 09-for double door DBs
- › Available in CRCA sheet steel, RAL9003, powder coated
- › Ready to use DBs - Provided with 100A insulated phase bus-bar | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification label
- › With provision for DP MCB/Isolator/RCCB/RCBO as incomer and SP MCBs as outgoing



Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer	Outgoing		
IP 30 - Single Door				
4 way	2	2	DESPN004SDS	1790
6 way	2	4	DESPN006SDS	1875
8 way	2	6	DESPN008SDS	2160
12 way	2	10	DESPN012SDS	2565
16 way	2	14	DESPN016SDS	3140
18 way	2	16	DESPN018SDS	3650
IP 43 - Metal Door				
4 way	2	2	DESPN004DDS	2330
6 way	2	4	DESPN006DDS	2685
8 way	2	6	DESPN008DDS	2875
12 way	2	10	DESPN012DDS	3450
16 way	2	14	DESPN016DDS	4360
18 way	2	16	DESPN018DDS	4565
IP 43 - Glazed Door				
4 way	2	2	DESPN004GDS	3120
6 way	2	4	DESPN006GDS	3320
8 way	2	6	DESPN008GDS	3610
12 way	2	10	DESPN012GDS	4395
16 way	2	14	DESPN016GDS	5460
18 way	2	16	DESPN018GDS	5780
IP 54 - Metal Door				
4 way	2	2	DESPN00454S	8135
6 way	2	4	DESPN00654S	9070
8 way	2	6	DESPN00854S	9645
12 way	2	10	DESPN01254S	11075
16 way	2	14	DESPN01654S	12330
18 way	2	16	DESPN01854S	12605

Highlights

- › Conforms to IEC 61439-1 & 3
- › IK 08-for single door DBs, IK 09-for double door DBs
- › Available in CRCA sheet steel, RAL 9003, powder coated
- › Ready to use DBs - Provided with 100A insulated phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- › With provision for FP MCB/Isolator/RCCB/RCBO as incomer and SPMCBs as outgoing



Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer	Outgoing		
IP 30 - Single Door				
4 way	4	4+4+4	DETPN004SDS	4660
6 way	4	6+6+6	DETPN006SDS	5720
8 way	8	8+8+8	DETPN008SDS	7170
12 way	8	12+12+12	DETPN012SDS	10330
16 way	8	16+16+16	DETPN016SDS	12595
IP 43 - Metal Door				
4 way	4	4+4+4	DETPN004DDS	5480
6 way	4	6+6+6	DETPN006DDS	6810
8 way	8	8+8+8	DETPN008DDS	8570
12 way	8	12+12+12	DETPN012DDS	12780
16 way	8	16+16+16	DETPN016DDS	15860
IP 43 - Glazed Door				
4 way	4	4+4+4	DETPN004GDS	7440
6 way	4	6+6+6	DETPN006GDS	8945
8 way	8	8+8+8	DETPN008GDS	11175
12 way	8	12+12+12	DETPN012GDS	17145
16 way	8	16+16+16	DETPN016GDS	20605
IP 54 - Metal Door				
4 way	4	4+4+4	DETPN00454S	18585
6 way	4	6+6+6	DETPN00654S	21720
8 way	8	8+8+8	DETPN00854S	25860
12 way	8	12+12+12	DETPN01254S	36450
16 way	8	16+16+16	DETPN01654S	43745

For ordering old DBs, replace Cat no with "DB" instead of "DE".
Eg. - New DB Cat no for SPN 12W DD - DESPN012DDS, Old DB Cat no for same will be DBSPN012DDS. Old DBs are available till stock last.

Highlights

- › Conforms to IEC 61439-1 & 3
- › IK 09-for double door DBs
- › Available in CRCA sheet steel, RAL 9003, powder coated
- › Ready to use DBs - Provided with 100A insulated phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- › With provision for FP MCB / Isolator / RCCB / RCBO as incomer, DP RCCB/RCBO as sub-incomer and SP MCBs as outgoing



Horizontal PPI DBs

IP 43 - Metal Door

Description	No. of Modules			Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer	Sub-Incomer	Outgoing		
IP 43 - Metal Door					
4 way	8	2+2+2	4+4+4	DEHPI004DD	10190
6 way	8	2+2+2	6+6+6	DEHPI006DD	12065
8 way	8	2+2+2	8+8+8	DEHPI008DD	14470
12 way	8	2+2+2	12+12+12	DEHPI012DD	19940
16 way	8	2+2+2	16+16+16	DEHPI016DD	23920



Tier PPI DBs

Description	No. of Modules			Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer	Sub-Incomer	Outgoing		
IP 43 - Metal Door					
6 way	8	2+2+2	6+6+6	DETP1006DD	12485
8 way	8	2+2+2	8+8+8	DETP1008DD	15655
10 way	8	2+2+2	10+10+10	DETP1010DD	16410
12 way	8	2+2+2	12+12+12	DETP1012DD	17385
16 way	8	2+2+2	16+16+16	DETP1016DD	19820
12 way	MCCB*	2+2+2	12+12+12	DETP1012DD	18595

*Suitable for 3 Pole & 4 Pole DU100H, DU100D, DN0-100D & DN0-100C MCCB as incomer

Highlights

- › Conforms to IEC 61439-1 & 3
- › IK 09-for double door DBs
- › Available in CRCA sheet steel, RAL 9003, powder coated
- › Ready to use DBs - Provided with 100A insulated phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- › With provision for
 - » Modular Incomer - FP MCB/Isolator/RCCB/RCBO as incomer, DP RCCB/RCBO as sub-incomer and SP MCBs as outgoing
 - » MCCB Incomer - MCCB* as incomer, DP RCCB/RCBO as sub-incomer and SP MCBs as outgoing



With Modular Incomer

Description	No. of Modules			Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer	Sub-Incomer	Outgoing		
IP 43 - Metal Door					
4 way	8	4+4+4	4+4+4	DEPSG004DD	14965
6 way	8	4+4+4	6+6+6	DEPSG006DD	16875
8 way	8	4+4+4	8+8+8	DEPSG008DD	18825
12 way	8	4+4+4	12+12+12	DEPSG012DD	23355



With MCCB Incomer

Description	No. of Modules			Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer*	Sub-Incomer	Outgoing		
IP 43 - Metal Door					
4 way	MCCB	4+4+4	4+4+4	DEPGL004DD	20585
6 way	MCCB	4+4+4	6+6+6	DEPGL006DD	23540
8 way	MCCB	4+4+4	8+8+8	DEPGL008DD	27225
12 way	MCCB	4+4+4	12+12+12	DEPGL012DD	30705

*Suitable for 3 Pole & 4 Pole DU100H, DU100D, DN0-100D & DN0-100C MCCB as incomer

For ordering old DBs, replace Cat no with "DB" instead of "DE".
Eg. - New DB Cat no for SPN 12W DD - DESPN012DDS, Old DB Cat no for same will be DBSPN012DDS. Old DBs are available till stock last.

Vertical TPN DB with MCCB Incomer [8537]



Highlights

- › Conforms to IEC 61439-1 & 3
- › IK 09-for double door DBs
- › Available in CRCA sheet steel, RAL 9003, powder coated
- › Ready to use DBs - Provided with insulated vertical phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- › With provision for 3 pole and 4 Pole MCCB* as incomer and SP/TP MCCBs as outgoing



Up to 125A MCCB Incomer

Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer*	Outgoing		
IP 43 - Metal Door				
4 way	MCCB	4+4+4	DEVTL004DD	16700
6 way	MCCB	6+6+6	DEVTL006DD	18980
8 way	MCCB	8+8+8	DEVTL008DD	20895
12 way	MCCB	12+12+12	DEVTL012DD	28425
16 way	MCCB	16+16+16	DEVTL016DD	33910
IP 54 - Metal Door				
4 way	MCCB	4+4+4	DEVTL00454	34590
6 way	MCCB	6+6+6	DEVTL00654	39445
8 way	MCCB	8+8+8	DEVTL00854	42700

*Suitable for 3 Pole & 4 Pole DZO MCCB as incomer. In case of any other MCCB frame requirement please contact nearest branch.

Vertical TPN DB with Modular Incomer [8537]



Highlights

- › Conforms to IEC 61439-1 & 3
- › IK 09-for double door DBs
- › Available in CRCA sheet steel, RAL 9003, powder coated
- › Ready to use DBs - Provided with insulated vertical phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- › With provision for FP MCCB/Isolator/RCCB/RCBO as incomer and SP/ TP MCCBs as outgoing



Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer	Outgoing		
IP 43 - Metal Door				
4 way	8	4+4+4	DEVTM004DD	14120
6 way	8	6+6+6	DEVTM006DD	15730
8 way	8	8+8+8	DEVTM008DD	18260
12 way	8	12+12+12	DEVTM012DD	24630
16 way	8	16+16+16	DEVTM016DD	29385
IP 54 - Metal Door				
4 way	8	4+4+4	DEVTM00454	29850
6 way	8	6+6+6	DEVTM00654	32565
8 way	8	8+8+8	DEVTM00854	35960

Vertical TPN DB with MCCB Incomer [8537]



Up to 250A MCCB Incomer

Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer*	Outgoing		
IP 43 - Metal Door				
4 way	MCCB	4+4+4	DEVTH004DD	21700
6 way	MCCB	6+6+6	DEVTH006DD	24300
8 way	MCCB	8+8+8	DEVTH008DD	26725
12 way	MCCB	12+12+12	DEVTH012DD	32345
16 way	MCCB	16+16+16	DEVTH016DD	43465
IP 54 - Metal Door				
4 way	MCCB	4+4+4	DEVTH00454	39700
6 way	MCCB	6+6+6	DEVTH00654	43345
8 way	MCCB	8+8+8	DEVTH00854	44830

*Suitable for 3 pole and 4 pole DU250, DU250C & DN1 MCCB as incomer

Flexi/Row DB [8537]



Highlights

- › Conforms to IEC 61439-1 & 3
- › IK 09-for double door DBs
- › Available in CRCA sheet steel, RAL 9003, powder coated
- › Ready to use DBs - neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | cable ties | circuit identification labels
- › With provision to mount modular devices as per requirement



Description	No. of Modules Per Row	Cat. Nos.	M.R.P. (₹) Per Unit
IP 43 - Metal Door			
2 Row 28 Module	14	DEROW228DD	7295
3 Row 42 Module	14	DEROW342DD	8745
4 Row 56 Module	14	DEROW456DD	9510
4 Row 64 Module	16	DEROW464DD	11060

For ordering old DBs, replace Cat no with "DB" instead of "DE".
 Eg. - New DB Cat no for SPN 12W DD - DESPN012DDS, Old DB Cat no for same will be DBSPN012DDS. Old DBs are available till stock last.

TPN Phase Selector DB [8537]



Highlights

- › Conforms to IEC 61439-1 & 3
- › IK 09-for double door DBs
- › Available in CRCA sheet steel, RAL 9003, powder coated
- › Ready to use DBs - Provided with 3 nos. of 63A E&A rotary switches | 3 nos. of rocker switches for phase identification | 100A insulated phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- › With provision for - FP MCB/Isolator/RCCB/RCBO as incomer and SP MCBs as outgoing



Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer	Outgoing		
IP 43 - Metal Door				
4 way	8	4+4+4	DEPSR004DD	18380
6 way	8	6+6+6	DEPSR006DD	18675
8 way	8	8+8+8	DEPSR008DD	20005
10 way	8	10+10+10	DEPSR010DD	21375
12 way	8	12+12+12	DEPSR012DD	22535

EV charging DB 8537



Highlights

- › Engineered specifically Charging application - 3.3 kW
- › Robust earth leakage, short circuit and overload protection with RCBO-
- › Factory fitted RCBO, switch and socket



Description	No. of Modules	Cat. Nos.	M.R.P. (₹) Per Unit
2 way EVDB	2	DEEVC002LD	*
4 way EVDB	4	DEEVC004LD	*

*For details, please contact nearest branch office

Enclosure [8537]



Highlights

- › Conforms to IEC 61439-1 & 3
- › Suitable for Surface and Flush mounting
- › Available in CRCA sheet steel, RAL9003, powder coated
- › With provision to mount MCB/Isolator/RCCB/RCBO and other modular devices

IP 30 - Metal Door

Description	No. of Modules	Cat. Nos.	M.R.P. (₹) Per Unit
IP 30 - Metal Door			
2 way	2	DEENC002SD	910
3 way	3	DEENC003SD	910
4 way	4	DEENC004SD	910
6 way	6	DEENC006SD	1410

For ordering old DBs, replace Cat no with "DB" instead of "DE".

Eq. - New DB Cat no for SPN 12W DD - DESPN012DDS, Old DB Cat no for same will be DBSPN012DDS. Old DBs are available till stock last.

Plug & Socket DB [8537]



Highlights

- › Conforms to IEC 61439-1 & 3
- › Suitable for Surface and Flush mounting
- › Available in CRCA sheet steel, RAL9003, powder coated
- › Loose Metal Plugs & Sockets conforms to IS 8804; available in Single Phase & Three Phase



Metal Plug & Socket

Plastic Plug & Socket

Description	No. of Pins	No. of Modules	Cat. Nos.	M.R.P. (₹) Per Unit
Metal Plug & Sockets				
10 A, 2 Pin + SC ^A	P + N	1	DEMPS110SD	2255
20 A, 2 Pin + SC ^A	P + N	1	DEMPS120SD	2425
20 A, 2 Pin + SC ^A	P + N	2	DEMPS220SD	2630
20 A, 3 Pin + SC ^A	3P	3	DEMPS320SD	4455
32 A, 3 Pin + SC ^A	3P	3	DEMPS332SD	5275
32 A, 3 Pin + SC ^A	3P	4	DEMPS432SD	5610
63 A, 5 Pin + SC ^A	3P+N+E	4	DEMPS463SD	19010
Plastic Plug & Sockets				
16 A, 3 Pin	P+N+E	2	DEPPS316SD	3690
32 A, 3 Pin	P+N+E	4	DEPPS332SD	3980
32 A, 5 Pin	3P+N+E	8	DEPPS532SD	6650
63 A, 5 Pin	3P+N+E	8	DEPPS563SD	16660

Metal Plug [8536]



Description	No. of Pins	Cat. Nos.	M.R.P. (₹) Per Unit
10 A, 2 Pin + SC ^A	P + N	MPS210P	280
20 A, 2 Pin + SC ^A	P + N	MPS220P	295
20 A, 3 Pin + SC ^A	3P	MPS320P	390
32 A, 3 Pin + SC ^A	3P	MPS332P	745

Note: Standard pack quantity - 20 nos.

Metal Socket [8536]



Description	No. of Pins	Cat. Nos.	M.R.P. (₹) Per Unit
10 A, 2 Pin + SC ^A	P + N	MPS210S	290
20 A, 2 Pin + SC ^A	P + N	MPS220S	320
20 A, 3 Pin + SC ^A	3P	MPS320S	440
32 A, 3 Pin + SC ^A	3P	MPS332S	745

^A SC-Scraping Earth

Note: Standard pack quantity - 20 nos.

DBs with provision for TV / Telephone splitters [8537]

New

Highlights

- › Distribution Boards equipped with provisions to mount TV / Telephone splitters
- › Available in SPN & TPN DBs
- › Communication DB equipped with provisions to mount 2 ONT, Spike guard, Data switch, TV / Telephone splitters



TV / Telephone



Communication DB

Cable End Boxes [8537]

Highlights

- › Available in CRCA sheet steel, RAL9003, powder coated
- › Can be either at the top or bottom of the distribution board

Description	Cat. Nos.	M.R.P. (₹) Per Unit
CEB for SPN DBs		
CEB-SPN Double Door, 4 way	DESPN004CBS	995
CEB-SPN Double Door, 6 way	DESPN006CBS	1075
CEB-SPN Double Door, 8 way	DESPN008CBS	1200
CEB-SPN Double Door, 12 way	DESPN012CBS	1335
CEB-SPN Double Door, 16 way	DESPN016CBS	1880
CEB-SPN Double Door, 18 way	DESPN018CBS	1940
CEB for TPN DBs		
CEB-TPE Double Door, 4 way	DETPE004CBS	1285
CEB-TPE Double Door, 6 way	DETPE006CBS	1835
CEB-TPN Double Door, 4 way	DETPN004CBS	1350
CEB-TPN Double Door, 6 way	DETPN006CBS	1890
CEB-TPN Double Door, 8 way	DETPN008CBS	2380
CEB-TPN Double Door, 12 way	DETPN012CBS	3955
CEB-TPN Double Door, 16 way	DETPN016CBS	3995
CEB for Horizontal PPI DBs		
CEB-Horz. PPI Double Door, 4 way	DEHPI004CB	1995
CEB-Horz. PPI Double Door, 6 way	DEHPI006CB	2490
CEB-Horz. PPI Double Door, 8 way	DEHPI008CB	3125
CEB-Horz. PPI Double Door, 12 way	DEHPI012CB	3920
CEB-Horz. PPI Double Door, 16 way	DEHPI016CB	4265
CEB for VTPN DBs		
CEB-VTPN Double Door, Modular Incomer	DEVTMXXXCB	1335
CEB-VTPN Double Door, MCCB Incomer	DEVTXXXCB	4715
CEB for Phase Segregated DBs		
CEB-PSG Double Door, 4 way	DEPSG004CB	3500
CEB-PSG Double Door, 6 way	DEPSG006CB	4170
CEB-PSG Double Door, 8 way	DEPSG008CB	4605
CEB-PSG Double Door, 12 way	DEPSG012CB	5125

DB Type	Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
		Incomer + Outgoing			
IP 43 - Metal Door					
SPN	6 way	2	4	DESPN006DDTV	5075
	8 way	2	6	DESPN008DDTV	5455
	12 way	2	10	DESPN012DDTV	6715
	16 way	2	14	DESPN016DDTV	7790
	18 way	2	16	DESPN018DDTV	9215
TPN	4 way	8	4+4+4	DETPN004DDTV	9975
	6 way	8	6+6+6	DETPN006DDTV	11525
	8 way	8	8+8+8	DETPN008DDTV	13740
Communication DB				DECOM01DD	*

*For details, please contact nearest branch office

DB Accessories

Busbar - Fork Type [8538]

Highlights

- › Available in Single Pole, Double Pole, Three Pole and Four Pole versions
- › Material : Copper



Description	Cat. Nos..	M.R.P. (₹) Per Unit	Std. Pack Qty.
SP 13 Mod	BSP13	445	5
SP 56 Mod	BSP56	1820	5
DP 12 Mod	BDP12	790	5
TP 12 Mod	BTP12	855	5
FP 12 Mod	BFP12	1690	5
End Caps for SP	ECP01	30	10
End Caps for DP/TP	ECP03	60	10
End Caps for FP	ECP04	100	10



Blanking Plates [8538]

Highlights

- › Available in One module and Half module

Description	Cat. Nos.	M.R.P. (₹) Per Unit	Std. Pack Qty.
One Module	BKP10	30	10
Half Module	BKP05	30	10



PDK02

Padlock [8301]

Highlights

- › Version with standard lock and a common key

Description	Cat. Nos.	M.R.P. (₹) Per Unit	Std. Pack Qty.
Lock and Key Kit	PDK02	775	5

For ordering old DBs, replace Cat no with "DB" instead of "DE".

Eg. - New DB Cat no for SPN 12W DD - DESPN012DDSD, Old DB Cat no for same will be DBSPN012DDSD. Old DBs are available till stock last.

General Terms

All prices are on Maximum retail price basis inclusive of all duties, GST & any other tax as applicable.

Warranty Policy

All products listed in the price list are covered by a warranty against manufacturing defects for a period of 18* months from the date of purchase. For Lauritz Knudsen MCBs & Isolators mounted inside Lauritz Knudsen Distribution Boards, an extended warranty of 5 years is provided.

In the event of a defect due to faulty workmanship or other associated reasons, we will, at our discretion, remedy the defect or replace the faulty parts or the entire product as soon as possible, free of cost.

However, the warranty is subject to proper usage, efficient maintenance, and does not cover defects arising from fire, accidents, inefficient maintenance, faulty operation, or deliberate or accidental damage. It also does not cover damage to power electronic components such as thyristors & IGBTs, which primarily fail due to overtemperature & over-voltage. Users need to take adequate precautions to eliminate these conditions. Manufacturer shall not be responsible & liable for any special, incidental, social or consequential (including lost profits) loss, consequential damages, injury or damages (punitive) of any kind solely attributable to defect or failure of its products. Manufacturer shall not be liable in any manner for the issue of or failure in the performance of other equipment the product is attached to.

Comprehensive Service Support

Lauritz Knudsen Electrical & Automation has over seven decades of experience in providing after sales service for low voltage distribution system in every type of industry & commercial complex in India

Lauritz Knudsen Electrical & Automation offers the following services, partnering you in your maintenance of low voltage distribution products:

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- › Preventive Maintenance Programme
- › On Call
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Product improvement is a continuous process. For the latest information and special application, please contact any of our offices listed here. Product photographs shown for representative purpose only.



Lauritz Knudsen Electrical & Automation, Electrical Standard Product

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FROM THE COO'S DESK.



Electrical & Automation

Dear Partner,

Your continued trust and partnership have been the cornerstone of our journey. Building on a legacy of over 70 years, and following our refreshed identity last year, we remain focused on delivering **innovative, reliable, and high-quality products** that power progress.

As part of this journey, we are pleased to **share an updated price list**. This revision reflects our ongoing commitment to **transparency, quality, and excellence**, ensuring you continue to receive the best value and service.

At Lauritz Knudsen, our philosophy remains simple yet powerful: **We listen. We partner. We innovate.**

These words guide our actions and shape the way we grow - together.

We look forward to continuing our collaboration and powering up homes, industries, farms, infrastructure, businesses, and lives - with you by our side.

Wishing you a joyful festive season and continued success.

A handwritten signature in blue ink that reads "Naresh Kumar".

Warm regards,
Naresh Kumar
COO & Sr. VP, Electrical Standard Products
Lauritz Knudsen Electrical & Automation

Translating Technology Into Real Benefits

AU Solutions for final distribution offer a unique blend of safety, convenience and performance. Each product in the AU Solutions range is designed to provide lasting benefits.

Lowest Watt Loss

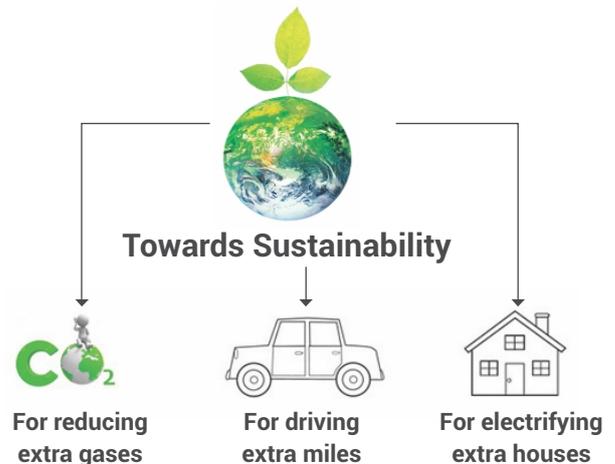
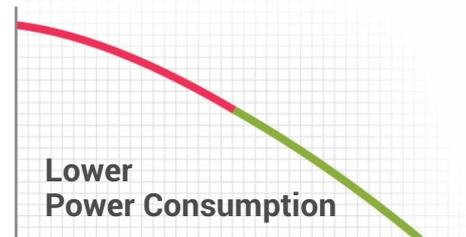
Saves money and natural resources

MCBs from AU Solutions offer the lowest watt loss in the industry. On an average, the watt loss values are almost 55% lower than those prescribed by IEC.

Lower watt loss means lower power consumption, which directly translates into monetary savings. Beyond tangible benefits, lower power requirement also hints at lower consumption of natural resources used for producing energy. In a nutshell, these MCBs are a small, yet significant step towards sustainability.

Maximum Power Loss Per Pole (W)

Current Ratings (A)	As Per IS/IEC 60898	For AU Range of MCBs	% lower
0.5	3	1.9	38%
1	3	2	33%
1.6	3	2.1	30%
2	3	2.1	30%
3	3	2.1	30%
4	3	2.1	30%
5	3	2.1	30%
6	3	1.1	63%
10	3	1.2	60%
16	3.5	1.8	50%
20	4.5	1.9	58%
25	4.5	2.1	54%
32	6	2.4	60%
40	7.5	3.1	59%
50	9	4.1	54%
63	13	4.3	67%
80	15	3.9	74%
100	15	6.2	59%
125	20	9.2	54%



Note:
[Black colour : HSN code]
Current GST 18%, subject to changes
as per Govt. notification

Short-circuit Fault Indicator in MCBs

Easy diagnosis, saves downtime

With the unique short-circuit fault indication feature, one can conclude if the MCB has tripped due to a short-circuit fault.

It helps in reducing downtime as the faulty phase and cause of MCB tripping are easily detected.

If the MCB has tripped on 'overload', non-critical loads can be switched off before switching the MCB on again.

In the case of a short-circuit fault, the location and cause of the short-circuit should be identified and the necessary corrective action should be taken.

UNIQUE
BENEFIT



UNIQUE
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Earth Leakage Fault Indication in RCCDs

- › Clear indication by yellow coloured flag
- › Easy detection of occurrence of earth leakage

Flexibility

- › **Flexibility in Termination**
 - › Bi-connect terminals offer busbar or cable termination at both incoming and outgoing sides
- › **Line-Load Reversibility**
 - › Either of the sides of an RCCB can be used to terminate supply or load
- › **RCCBs removability with busbar in place**
 - › This feature, with a uniquely designed DIN clip, offers easy removal of DIN mounted RCCBs while the connection busbar is in place with adjoining devices
 - › Offers great flexibility in installation process
 - › Reduces installation time

Communication Capability

For smart systems

With the communication capability of AU Solutions, one can monitor and control various devices remotely.

The complete communication system can be deployed for effective energy management.



RoHS Compliance

Environment-friendly

RoHS compliant AU Solutions do not use any substances which are hazardous to the environment.



MCBs (Miniature Circuit Breakers) [8536]

Range Highlights

- › Conforms to IS/IEC 60898-1, EN 60898-1, IEC 60898-1, EN 60947-2, IS/IEC 60947-2
- › Wide Range of Current Ratings - 0.5A to 125A
- › Short circuit Breaking Capacity
 - 10kA (IS/IEC 60898-1, EN 60898-1) - 0.5A to 63A
 - 15kA (IS/IEC 60947-2) - 0.5 to 40A; 10kA (IS/IEC 60947-2) - 50A & 63A
 - 15kA (IS/IEC 60947-2, EN 60947-2) - 80, 100 & 125A
- › B, C & D Characteristics
- › Available in SP, DP, TP, FP, SPN and TPN
- › Suitable for DC Application
- › Suitable for Isolation
- › Protection Degree - IP 20
- › Availability of wide Range of Site Mountable Accessories

Standard Version AU-10 | 10kA as per IS/IEC 60898-1



Rating	Modules 1 Mod = 17.5 mm	B Curve CAT Nos.	M.R.P. (₹) Per Unit	C Curve CAT Nos.	M.R.P. (₹) Per Unit	D Curve CAT Nos.	M.R.P. (₹) Per Unit
Single Pole							
0.5A	1	-	-	AU10S10E53C	620	AU10S10E53D	625
1A	1	-	-	AU10S10013C	620	AU10S10013D	625
1.6A	1	-	-	AU10S11E63C	620	AU10S11E63D	625
2A	1	-	-	AU10S10023C	620	AU10S10023D	625
3A	1	-	-	AU10S10033C	620	AU10S10033D	625
4A	1	-	-	AU10S10043C	620	AU10S10043D	625
5A	1	-	-	AU10S10053C	620	AU10S10053D	625
6A	1	AU10S10063B	417	AU10S10063C	417	AU10S10063D	525
10A	1	AU10S10103B	417	AU10S10103C	417	AU10S10103D	525
16A	1	AU10S10163B	417	AU10S10163C	417	AU10S10163D	525
20A	1	AU10S10203B	417	AU10S10203C	417	AU10S10203D	525
25A	1	AU10S10253B	417	AU10S10253C	417	AU10S10253D	525
32A	1	AU10S10323B	417	AU10S10323C	417	AU10S10323D	525
40A	1	AU10S10403B	890	AU10S10403C	890	AU10S10403D	940
50A	1	AU10S10503B	890	AU10S10503C	890	AU10S10503D	940
63A	1	AU10S10633B	890	AU10S10633C	890	AU10S10633D	940
Two Pole							
0.5A	2	-	-	AU10S20E53C	1700	AU10S20E53D	1705
1A	2	-	-	AU10S20013C	1700	AU10S20013D	1705
1.6A	2	-	-	AU10S21E63C	1700	AU10S21E63D	1705
2A	2	-	-	AU10S20023C	1700	AU10S20023D	1705
3A	2	-	-	AU10S20033C	1700	AU10S20033D	1705
4A	2	-	-	AU10S20043C	1700	AU10S20043D	1705
5A	2	-	-	AU10S20053C	1700	AU10S20053D	1705
6A	2	AU10S20063B	1225	AU10S20063C	1225	AU10S20063D	1255
10A	2	AU10S20103B	1225	AU10S20103C	1225	AU10S20103D	1255
16A	2	AU10S20163B	1225	AU10S20163C	1225	AU10S20163D	1255
20A	2	AU10S20203B	1225	AU10S20203C	1225	AU10S20203D	1255
25A	2	AU10S20253B	1225	AU10S20253C	1225	AU10S20253D	1255
32A	2	AU10S20323B	1225	AU10S20323C	1225	AU10S20323D	1255
40A	2	AU10S20403B	1975	AU10S20403C	1975	AU10S20403D	2050
50A	2	AU10S20503B	1975	AU10S20503C	1975	AU10S20503D	2050
63A	2	AU10S20633B	1975	AU10S20633C	1975	AU10S20633D	2050
Three Pole							
0.5A	3	-	-	AU10S30E53C	2525	AU10S30E53D	2550
1A	3	-	-	AU10S30013C	2525	AU10S30013D	2550
1.6A	3	-	-	AU10S31E63C	2525	AU10S31E63D	2550
2A	3	-	-	AU10S30023C	2525	AU10S30023D	2550
3A	3	-	-	AU10S30033C	2525	AU10S30033D	2550
4A	3	-	-	AU10S30043C	2525	AU10S30043D	2550
5A	3	-	-	AU10S30053C	2525	AU10S30053D	2550
6A	3	AU10S30063B	2015	AU10S30063C	2015	AU10S30063D	2040
10A	3	AU10S30103B	2015	AU10S30103C	2015	AU10S30103D	2040
16A	3	AU10S30163B	2015	AU10S30163C	2015	AU10S30163D	2040
20A	3	AU10S30203B	2015	AU10S30203C	2015	AU10S30203D	2040
25A	3	AU10S30253B	2015	AU10S30253C	2015	AU10S30253D	2040
32A	3	AU10S30323B	2015	AU10S30323C	2015	AU10S30323D	2040
40A	3	AU10S30403B	3070	AU10S30403C	3070	AU10S30403D	3155
50A	3	AU10S30503B	3070	AU10S30503C	3070	AU10S30503D	3155
63A	3	AU10S30633B	3070	AU10S30633C	3070	AU10S30633D	3155

Note: Standard Pack Quantity for MCB : SP - 12 Nos., DP/SPN - 6 Nos., TP - 4 Nos., FP/TPN - 3 Nos.

Standard Version AU-10 | 10kA as per IS/IEC 60898-1



Rating	Modules 1 Mod = 17.5 mm	B Curve CAT Nos.	M.R.P. (₹) Per Unit	C Curve CAT Nos.	M.R.P. (₹) Per Unit	D Curve CAT Nos.	M.R.P. (₹) Per Unit
Four Pole							
0.5A	4	-	-	AU10S40E53C	3090	AU10S40E53D	3115
1A	4	-	-	AU10S40013C	3090	AU10S40013D	3115
1.6A	4	-	-	AU10S41E63C	3090	AU10S41E63D	3115
2A	4	-	-	AU10S40023C	3090	AU10S40023D	3115
3A	4	-	-	AU10S40033C	3090	AU10S40033D	3115
4A	4	-	-	AU10S40043C	3090	AU10S40043D	3115
5A	4	-	-	AU10S40053C	3090	AU10S40053D	3115
6A	4	AU10S40063B	2670	AU10S40063C	2670	AU10S40063D	2680
10A	4	AU10S40103B	2670	AU10S40103C	2670	AU10S40103D	2680
16A	4	AU10S40163B	2670	AU10S40163C	2670	AU10S40163D	2680
20A	4	AU10S40203B	2670	AU10S40203C	2670	AU10S40203D	2680
25A	4	AU10S40253B	2670	AU10S40253C	2670	AU10S40253D	2680
32A	4	AU10S40323B	2670	AU10S40323C	2670	AU10S40323D	2680
40A	4	AU10S40403B	3810	AU10S40403C	3810	AU10S40403D	3960
50A	4	AU10S40503B	3810	AU10S40503C	3810	AU10S40503D	3960
63A	4	AU10S40633B	3810	AU10S40633C	3810	AU10S40633D	3960
SPN							
0.5A	2	-	-	AU10SS0E53C	1610	-	-
1A	2	-	-	AU10SS0013C	1610	-	-
1.6A	2	-	-	AU10SS1E63C	1610	-	-
2A	2	-	-	AU10SS0023C	1610	-	-
3A	2	-	-	AU10SS0033C	1610	-	-
4A	2	-	-	AU10SS0043C	1610	-	-
5A	2	-	-	AU10SS0053C	1610	-	-
6A	2	-	-	AU10SS0063C	1135	-	-
10A	2	-	-	AU10SS0103C	1135	-	-
16A	2	-	-	AU10SS0163C	1135	-	-
20A	2	-	-	AU10SS0203C	1135	-	-
25A	2	-	-	AU10SS0253C	1135	-	-
32A	2	-	-	AU10SS0323C	1135	-	-
40A	2	-	-	AU10SS0403C	1825	-	-
50A	2	-	-	AU10SS0503C	1825	-	-
63A	2	-	-	AU10SS0633C	1825	-	-
TPN							
0.5A	4	-	-	AU10ST0E53C	2965	-	-
1A	4	-	-	AU10ST0013C	2965	-	-
1.6A	4	-	-	AU10ST1E63C	2965	-	-
2A	4	-	-	AU10ST0023C	2965	-	-
3A	4	-	-	AU10ST0033C	2965	-	-
4A	4	-	-	AU10ST0043C	2965	-	-
5A	4	-	-	AU10ST0053C	2965	-	-
6A	4	-	-	AU10ST0063C	2490	-	-
10A	4	-	-	AU10ST0103C	2490	-	-
16A	4	-	-	AU10ST0163C	2490	-	-
20A	4	-	-	AU10ST0203C	2490	-	-
25A	4	-	-	AU10ST0253C	2490	-	-
32A	4	-	-	AU10ST0323C	2490	-	-
40A	4	-	-	AU10ST0403C	3595	-	-
50A	4	-	-	AU10ST0503C	3595	-	-
63A	4	-	-	AU10ST0633C	3595	-	-

Note: Standard Pack Quantity for MCB : SP - 12 Nos., DP/SPN - 6 Nos., TP - 4 Nos., FP/TPN - 3 Nos.

MCBs (Miniature Circuit Breakers) : 80A-125A [8536]

Range Highlights

- › Short circuit Breaking Capacity - 15kA (IS/IEC 60947-2, EN 60947-2)
- › Suitable for Isolation
- › C & D Characteristics
- › Protection Degree - IP 20
- › Available in SP, DP, TP and FP
- › Availability of wide Range of Site Mountable Accessories



Rating	Modules 1 Mod = 17.5 mm	C Curve Cat. No.	M.R.P. (₹) Per Unit	D Curve Cat. No.	M.R.P. (₹) Per Unit
Single Pole (SP)					
80A	1.5	AU15S10803C	3175	AU15S10803D	3615
100A	1.5	AU15S11003C	3560	AU15S11003D	4045
125A	1.5	AU15S11253C	3830	AU15S11253D	4370
Double Pole (DP)					
80A	3	AU15S20803C	7035	AU15S20803D	8010
100A	3	AU15S21003C	7505	AU15S21003D	8535
125A	3	AU15S21253C	8260	AU15S21253D	9390
Three Pole (TP)					
80A	4.5	AU15S30803C	11100	AU15S30803D	12640
100A	4.5	AU15S31003C	11840	AU15S31003D	13455
125A	4.5	AU15S31253C	13140	AU15S31253D	14930
Four Pole (FP)					
80A	6	AU15S40803C	14500	AU15S40803D	16465
100A	6	AU15S41003C	15080	AU15S41003D	17160
125A	6	AU15S41253C	17080	AU15S41253D	19415

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BIS-Certified HR MCBs Range - 80A, 100A & 125A

RCCBs (Residual Current Circuit Breakers) [8536]

Range Highlights*

- › Conforms to IEC 61008-1, EN 61008-1, IS 12640-1
- › Wide Range of Current Ratings - 16A to 100A
- › Precise Sensitivities for variety of applications - from 10mA to 500mA
- › 2P & 4P versions
- › Suitable for Isolation
- › Protection Degree - IP 20
- › Availability of wide Range of Site Mountable Accessories
- › Available in
 - » Type AC : For standard AC installations
 - » Type Adi : Suitable for AC + Pulsating DC (Type A) + Harmonics

Type-AC



Rating	Sensitivity	Modules 1 Mod = 17.5 mm	CAT Nos.	M.R.P. (₹) Per Unit
2P AC				
16A	10mA	2	AURAC201601	7425
25A	10mA	2	AURAC202501	8070
	30mA	2	AURAC202503	4170
	100mA	2	AURAC202510	4420
	300mA	2	AURAC202530	4420
	500mA	2	AURAC202550	5390
40A	30mA	2	AURAC204003	4770
	100mA	2	AURAC204010	5145
	300mA	2	AURAC204030	5145
	500mA	2	AURAC204050	6160
63A	30mA	2	AURAC206303	5790
	100mA	2	AURAC206310	6055
	300mA	2	AURAC206330	6055
	500mA	2	AURAC206350	6505
80A	30mA	2	AURAC208003	9450
	100mA	2	AURAC208010	9515
	300mA	2	AURAC208030	9515
100A	30mA	2	AURAC210003	10315
	100mA	2	AURAC210010	10395
	300mA	2	AURAC210030	10395



Rating	Sensitivity	Modules 1 Mod = 17.5 mm	CAT Nos.	M.R.P. (₹) Per Unit
4P AC				
25A	30mA	4	AURAC402503	5555
	100mA	4	AURAC402510	5895
	300mA	4	AURAC402530	5895
	500mA	4	AURAC402550	7085
40A	30mA	4	AURAC404003	5610
	100mA	4	AURAC404010	5980
	300mA	4	AURAC404030	5980
63A	30mA	4	AURAC406303	7185
	100mA	4	AURAC406310	6440
	300mA	4	AURAC406330	6850
80A	30mA	4	AURAC408003	6850
	100mA	4	AURAC408010	7335
	300mA	4	AURAC408030	10670
100A	30mA	4	AURAC408050	10760
	100mA	4	AURAC408010	10760
	300mA	4	AURAC408030	10760
	500mA	4	AURAC408050	11430
100A	30mA	4	AURAC410003	11365
	100mA	4	AURAC410010	11440
	300mA	4	AURAC410030	11440
	500mA	4	AURAC410050	11780

Type-Adi



Rating	Sensitivity	Modules 1 Mod = 17.5 mm	CAT Nos.	M.R.P. (₹) Per Unit
2P Adi				
25A	30mA	2	AURAD202503	6395
	100mA	2	AURAD202510	6690
	300mA	2	AURAD202530	6690
40A	30mA	2	AURAD204003	6785
	100mA	2	AURAD204010	6895
	300mA	2	AURAD204030	6895
63A	30mA	2	AURAD206303	7940
	100mA	2	AURAD206310	8090
	300mA	2	AURAD206330	8090
100A	30mA	2	AURAD210003	11730



Rating	Sensitivity	Modules 1 Mod = 17.5 mm	CAT Nos.	M.R.P. (₹) Per Unit
4P Adi				
25A	30mA	4	AURAD402503	7735
	100mA	4	AURAD402510	7880
	300mA	4	AURAD402530	7880
40A	30mA	4	AURAD404003	8030
	100mA	4	AURAD404010	8155
	300mA	4	AURAD404030	8155
63A	30mA	4	AURAD406303	8745
	100mA	4	AURAD406310	8925
	300mA	4	AURAD406330	8925
100A	30mA	4	AURAD410003	13930
	100mA	4	AURAD410010	13930
	300mA	4	AURAD410030	13930

*For technical details, please contact nearest branch office

RCBOs (Residual Current Breaker with Overcurrent Protection) [8536]

Range Highlights*

- › Conforms to IEC 61009-1, IS 12640-2, EN 61009-1
- › Short circuit Breaking Capacity - 10kA
- › Precise Sensitivities for a variety of applications
 - › from 10mA to 300mA
- › Suitable for Isolation

Type-AC

Rating	Sensitivity	Modules 1 Mod = 17.5 mm	CAT Nos.	M.R.P. (₹) Per Unit
2P AC[#]				
6A	10mA	2	AUF3C200601	5835
	30mA	2	AUF3C200603	5835
	100mA	2	AUF3C200610	5955
	300mA	2	AUF3C200630	6025
10A	10mA	2	AUF3C201001	5835
	30mA	2	AUF3C201003	5835
	100mA	2	AUF3C201010	5955
	300mA	2	AUF3C201030	6025
16A	10mA	2	AUF3C201601	5835
	30mA	2	AUF3C201603	5835
	100mA	2	AUF3C201610	5955
	300mA	2	AUF3C201630	6025
20A	30mA	2	AUF3C202003	5835
	100mA	2	AUF3C202010	5955
	300mA	2	AUF3C202030	6025
25A	30mA	2	AUF3C202503	5835
	100mA	2	AUF3C202510	5955
	300mA	2	AUF3C202530	6025
32A	30mA	2	AUF3C203203	5835
	100mA	2	AUF3C203210	5955
	300mA	2	AUF3C203230	6025
40A	30mA	2	AUF3C204003	5835
	100mA	2	AUF3C204010	5955
	300mA	2	AUF3C204030	6025
63A	30mA	4	AUF3C206303	6930
	100mA	4	AUF3C206310	7350
	300mA	4	AUF3C206330	7410
4P AC				
16A	30mA	7.5	AUF3C401603	6265
	100mA	7.5	AUF3C401610	6975
	300mA	7.5	AUF3C401630	7115
20A	30mA	7.5	AUF3C402003	6265
	100mA	7.5	AUF3C402010	6975
	300mA	7.5	AUF3C402030	7115
25A	30mA	7.5	AUF3C402503	6265
	100mA	7.5	AUF3C402510	6975
	300mA	7.5	AUF3C402530	7115
32A	30mA	7.5	AUF3C403203	6470
	100mA	7.5	AUF3C403210	6980
	300mA	7.5	AUF3C403230	7135
40A	30mA	7.5	AUF3C404003	6570
	100mA	7.5	AUF3C404010	6980
	300mA	7.5	AUF3C404030	7155
63A	30mA	7.5	AUF3C406303	7875
	100mA	7.5	AUF3C406310	8020
	300mA	7.5	AUF3C406330	8020
80A	30mA	12	AUF3C408003	30515
	100mA	12	AUF3C408010	31195
	300mA	12	AUF3C408030	31195
100A	30mA	12	AUF3C410003	32620
	100mA	12	AUF3C410010	33400
	300mA	12	AUF3C410030	33400

#For 2P AC/Adi D Curve RCBO, please contact nearest branch office



- › Availability of wide Range of Site Mountable Accessories
- › Available in
 - › Type AC: For standard AC installations
 - › Type Adi: Suitable for AC + Pulsating DC (Type A) + Harmonics

Type-Adi

Rating	Sensitivity	Modules 1 Mod = 17.5 mm	CAT Nos.	M.R.P. (₹) Per Unit
2P Adi				
6A	30mA	2	AUF3D200603	7875
	100mA	2	AUF3D200610	8675
	300mA	2	AUF3D200630	9000
10A	30mA	2	AUF3D201003	7875
	100mA	2	AUF3D201010	8675
	300mA	2	AUF3D201030	9000
16A	30mA	2	AUF3D201603	7875
	100mA	2	AUF3D201610	8675
	300mA	2	AUF3D201630	9000
20A	30mA	2	AUF3D202003	7875
	100mA	2	AUF3D202010	8675
	300mA	2	AUF3D202030	9000
25A	30mA	2	AUF3D202503	7875
	100mA	2	AUF3D202510	8675
	300mA	2	AUF3D202530	9000
32A	30mA	2	AUF3D203203	7875
	100mA	2	AUF3D203210	8675
	300mA	2	AUF3D203230	9000
40A	30mA	2	AUF3D204003	7875
	100mA	2	AUF3D204010	8675
	300mA	2	AUF3D204030	9000
63A	30mA	4	AUF3D206303	9110
	100mA	4	AUF3D206310	9635
	300mA	4	AUF3D206330	9720
4P Adi				
16A	30mA	7.5	AUF3D401603	8230
	100mA	7.5	AUF3D401610	9150
	300mA	7.5	AUF3D401630	9340
20A	30mA	7.5	AUF3D402003	8230
	100mA	7.5	AUF3D402010	9150
	300mA	7.5	AUF3D402030	9340
25A	30mA	7.5	AUF3D402503	8230
	100mA	7.5	AUF3D402510	9150
	300mA	7.5	AUF3D402530	9340
32A	30mA	7.5	AUF3D403203	8490
	100mA	7.5	AUF3D403210	9160
	300mA	7.5	AUF3D403230	9350
40A	30mA	7.5	AUF3D404003	8620
	100mA	7.5	AUF3D404010	9160
	300mA	7.5	AUF3D404030	9390
63A	30mA	7.5	AUF3D406303	10330
	100mA	7.5	AUF3D406310	10540
	300mA	7.5	AUF3D406330	10540
80A	30mA	12	AUF3D408003	30515
	100mA	12	AUF3D408010	31195
	300mA	12	AUF3D408030	31195
100A	30mA	12	AUF3D410003	32620
	100mA	12	AUF3D410010	33400
	300mA	12	AUF3D410030	33400

*For technical details, please contact nearest branch office

Indicating Lights [8531]



Description	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit
RED	1	AUIL01RED00	1275
YELLOW	1	AUIL01YEL00	1275
BLUE	1	AUIL01BLU00	1275
GREEN	1	AUIL01GRE00	1275
RED-YELLOW-BLUE	1	AUIL01RYB00	1550

SPDs (Surge Protection Devices) [8536]



Range Highlights

- › Conforms to IEC 61643-11
- › Available in Type 2 and Type 1+2
- › Type 2 : Protection against indirect lightning and switching surges
 - » Maximum Discharge Current - I_{max} up to 70kA
- › Type 1+2 : Protection against direct and indirect lightning surges
 - » Maximum Discharge Current - I_{max} up to 100kA

800V Solar Application

Description	Configuration	Modules 1 Mod = 17.5 mm	Voltage (Uc)	Cat. No.	M.R.P. (₹) Per Unit
Type 2, I _{max} 40kA	3P	4	1500	AUSP023P40-1500	15000
Type 1+2, I _{imp} 12.5kA	3P	5	1360	AUSP123P50-1360	45000
Type 1+2, I _{imp} 12.5kA	3P	4	880	AUSP123P50-880	30000



440V Application (Common + Differential Mode)

Description	I _{max}	Configuration	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit
Type 1+2, I _{imp} 12.5kA	50kA	1P+N	2	AUSP121PN50D	11955
		3P+N	4	AUSP123PN50D	22900
Type 2	40kA	1P+N	1	AUSP021PN40D	7475
		3P+N	2	AUSP023PN40D	14935
Type 2	15kA	1P+N	1	AUSP021PN15D	5980
		3P+N	2	AUSP023PN15D	11760
Type 1+2, I _{imp} 8kA	100kA	1P+N	2	AUSP121PN100D	10750
		3P+N	4	AUSP123PN100D	21120
Type 2	70kA	1P+N	2	AUSP021PN70D	11740
		3P+N	4	AUSP023PN70D	19550

SPD Cartridges

Description	Cat. No.	M.R.P. (₹) Per Unit
Cartridge for AUSP021PN15D	AUSC021PN15D	2940
Cartridge for AUSP021PN40D	AUSC021PN40D	3660
Cartridge for AUSP021PN70D / AUSP023PN70D	AUSC021PN70D	3915
Cartridge for AUSP023PN15D [#]	AUSC023PN15D	3845
Cartridge for AUSP023PN40D [#]	AUSC023PN40D	4885
Cartridge for AUSP121PN100D / AUSP123PN100D	AUSC121PN100D	5865
Cartridge for AUSP121PN50D / AUSP123PN50D	AUSC121PN50D	6330
Cartridge for AUSP023PN15D [#]	AUSC023PN15DG	4455
Cartridge for AUSP023PN40D [#]	AUSC023PN40DG	4650

[#]For technical details, please contact nearest branch office

Accessories [8538]

All Half Module and One Module Accessories are common for 80A-125A MCBs, RCBOs and Adi RCCBs



Description	Configuration	Modules 1 Mod = 17.5 mm	Voltage	CAT Nos.	M.R.P. (₹) Per Unit
Auxiliary Contact	1NO+1NC	0.5	240V AC, 24V DC	AUAXAC240	1110
AUX/TAC*	1NO+1NC	0.5	240V AC, 24V DC	AUATAC240	1300
HR AUX/TAC*	1NO+1NC	0.5	240V AC, 24V DC	AUATAC240HR	1300
Undervoltage	-	1	240V AC	AUUVAC240	2625
Release	-	1	24V DC	AUUVDC024	2625
Overtoltage Release	-	1	240V AC	AUOVAC240	3245
Shunt Release	-	1	240V AC	AUSRAC240	3010
	-	1	24V DC	AUSRDC024	3010
Padlock-Suitable for Lock Hasp 3.5 - 5 mm dia. max	Suitable for 1Pole=1Mod devices: RCCBs, RCBOs, Changeover Switches up to 40A			AUPD01	595
	Suitable for 1Pole-1.5Mod devices: MCBs 80A-125A, Changeover Switch 63A			AUPD02	670

Note: Standard Pack Quantity for Padlock - 2 Nos.

*For 80A-125A MCBs please contact nearest branch office

Energy Meters [9030]



Range Highlights

- › DIN mounting whole current operated meter
- › Accuracy Class 1.0
- › Inbuilt RS485 option
- › Parameters : Voltage, Current, kW, kWh, kVA, kVAh, RPM, Load hours, Interruptions

Description	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit
Single Phase - 60A	2	WD4010100000	3410
Three Phase - 80A	5	WD4020100000	7385
Single Phase - 60A (RS485)	2	WD4010110000	5045
Three Phase - 80A (RS485)	5	WD4020110000	11145

Isolators [8536]

Range Highlights

- › Suitable for Isolation as per IEC 60947-3, IS/IEC 60947-3
 - › Providing operational safety at the downstream
- › Comprehensive range suitable for various applications
 - › Utilization Category of AC-22A
 - › Suitability for Mounting Auxiliary Contact



Rating	Modules 1 Mod = 17.5 mm	CAT Nos.	M.R.P. (₹) Per Unit
Double Pole			
25A	2	AUI00202500	605
32A	2	AUI00203200	670
40A	2	AUI00204000	725
63A	2	AUI00206300	955
80A	2	AUI00208000	1165
100A	2	AUI00210000	1300
125A	2	AUI00212500	1480
Three Pole			
32A	3	AUI00303200	1170
40A	3	AUI00304000	1260
63A	3	AUI00306300	1480
80A	3	AUI00308000	1625
100A	3	AUI00310000	1725
125A	3	AUI00312500	1915
Four Pole			
32A	4	AUI00403200	1300
40A	4	AUI00404000	1635
63A	4	AUI00406300	1765
80A	4	AUI00408000	1945
100A	4	AUI00410000	2155
125A	4	AUI00412500	2370

Changeover Switches [8536]

Range Highlights

- › Conforms to IEC 60947-3 and IS/IEC 60947-3
- › Available in 3 positions (I-O-II) with centre off position
- › Utilization category AC-22A



Rating	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit
Double Pole			
25A	2	AUC00202500	1975
40A	2	AUC00204000	3020
63A	3	AUC00206300	3515
Four Pole			
40A	4	AUC00404000	5205
63A	6	AUC00406300	5900

Modular Contactors [8536]



Range Highlights

- › Wide Range of Current Ratings:
 - » 25A, 40A and 63A
- › Conforms to:
 - » IEC 61095, EN 61095
 - » IEC 60947-4-1, EN 60947-4-1
 - » IEC 60947-5-1
- › Protection Degree IP 20

Description (AC-1)	Modules 1 Mod = 17.5 mm	Cat. No.	M.R.P. (₹) Per Unit
25A-1NO	1	AUMC1002501	2215
25A-2NO	1	AUMC2002501	2780
40A-2NO	3	AUMC2004003	4750
40A-3NO	3	AUMC3004003	6810
40A-4NO	3	AUMC4004003	7985
63A-2NO+2NC	3	AUMC2206303	8445
63A-3NO	3	AUMC3006303	8650
63A-4NO	3	AUMC4006303	9525
Accessory [8538]			
Auxiliary Contact, 2NO	0.5	AUMCAUX240	2070

Single Phase - ACCL [8536]

Automatic Changeover with Current Limiter



Range Highlights

- › Conforms to IEC 60947-6, IEC 60947-3
- › Wide Range of Current Ratings
 - » (Generator side) - 1A to 30A
 - » (Electricity Board side) - 30A
- › RoHS compliant

Description EB/DG	Modules 1 Mod = 17.5 mm	CAT Nos.	M.R.P. (₹) Per Unit
30A/1A	4	AUCL01030001	2930
30A/1.5A	4	AUCL010301E5	2930
30A/2A	4	AUCL01030002	2930
30A/2.5A	4	AUCL010302E5	2930
30A/3A	4	AUCL01030003	2930
30A/4A	4	AUCL01030004	2930
30A/5A	4	AUCL01030005	2930
30A/6A	4	AUCL01030006	2930
30A/8A	4	AUCL01030008	2930
30A/10A	4	AUCL01030010	2930
30A/12A	4	AUCL01030012	2930
30A/15A	4	AUCL01030015	2930
30A/20A	4	AUCL01030020	2930
30A/30A	4	AUCL01030030*	2930

*Non-current limiting variant

Three Phase - ACCL [8536]

Automatic Changeover with Current Limiter



Range Highlights

- › Settable overload current limit at DG side
- › Separate power consumption monitoring for Mains & Genset
- › Settable overvoltage & undervoltage protection
- › Settable TPN or SPN mode at DG side
- › Protection against single phasing

Description (AC-1) EB/DG	Cat. No.	M.R.P. (₹) Per Unit
32A / 32A	AUCL03032032	14385
40A / 32A	AUCL03040032	14825
40A / 40A	AUCL03040040	16045
50A / 50A	AUCL03050050	22870
63A / 50A	AUCL03063050	25235
63A / 63A	AUCL03063063	28585
80A / 80A	AUCL03080080	43565
125A / 125A	AUCL03125125	73335

For 3 Phase ACCL programming video please scan the QR code or click here



AU-COM: Communication Solution [8538]

Range Highlights

- › Can be deployed for AU range of MCBs, RCCBs, RCBOs & energy meters
- › Capable of local and remote status monitoring of final distribution products- ON, OFF and TRIP
- › With AU-COM and modular contactors AU-MC, remote controlling of the load can be achieved
- › The convertor module converts RS 485 data signals from AU-COM into SCADA-compatible ethernet signals
- › For remote monitoring and metering of energy, single-phase and three-phase energy meters with RS 485 converters module can be Used



Description	Modules 1 Mod = 17.5 mm	CAT Nos.	M.R.P. (₹) Per Unit
AU-COM communication module	1.5	AUCOM0402	*
AU-CON convertor module	1.5	AUCON0403	*

*Please contact nearest branch office for details.

General Terms

All prices are on Maximum retail price basis inclusive of all duties, GST & any other tax as applicable.

Warranty Policy

All products listed in the price list are covered by a warranty against manufacturing defects for a period of 18* months from the date of purchase. For Lauritz Knudsen MCBs & Isolators mounted inside Lauritz Knudsen Distribution Boards, an extended warranty of 5 years is provided.

In the event of a defect due to faulty workmanship or other associated reasons, we will, at our discretion, remedy the defect or replace the faulty parts or the entire product as soon as possible, free of cost.

However, the warranty is subject to proper usage, efficient maintenance, and does not cover defects arising from fire, accidents, inefficient maintenance, faulty operation, or deliberate or accidental damage. It also does not cover damage to power electronic components such as thyristors & IGBTs, which primarily fail due to overtemperature & over-voltage. Users need to take adequate precautions to eliminate these conditions. Manufacturer shall not be responsible & liable for any special, incidental, social or consequential (including lost profits) loss, consequential damages, injury or damages (punitive) of any kind solely attributable to defect or failure of its products. Manufacturer shall not be liable in any manner for the issue of or failure in the performance of other equipment the product is attached to.

Comprehensive Service Support

Lauritz Knudsen Electrical & Automation has over seven decades of experience in providing after sales service for low voltage distribution system in every type of industry & commercial complex in India

Lauritz Knudsen Electrical & Automation offers the following services, partnering you in your maintenance of low voltage distribution products:

- › Regular Maintenance
- › Preventive Maintenance Programme
- › On Call
- › Annual Maintenance Contract
- › Product Support for Managing Obsolescence-

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Wishing you a joyful festive season and continued success.

A handwritten signature in blue ink that reads "Naresh Kumar". The signature is written in a cursive style and is positioned above a thin blue horizontal line.

Warm regards,
Naresh Kumar
COO & Sr. VP, Electrical Standard Products
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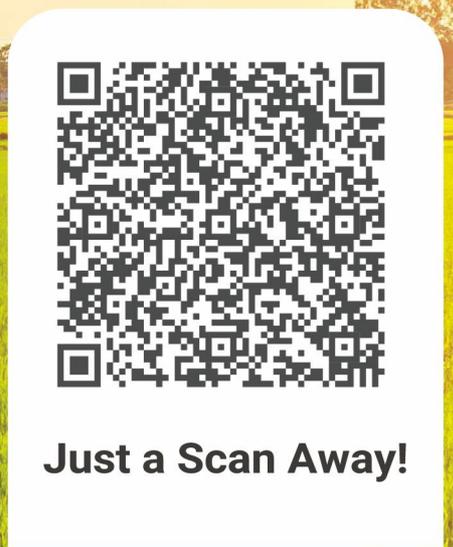
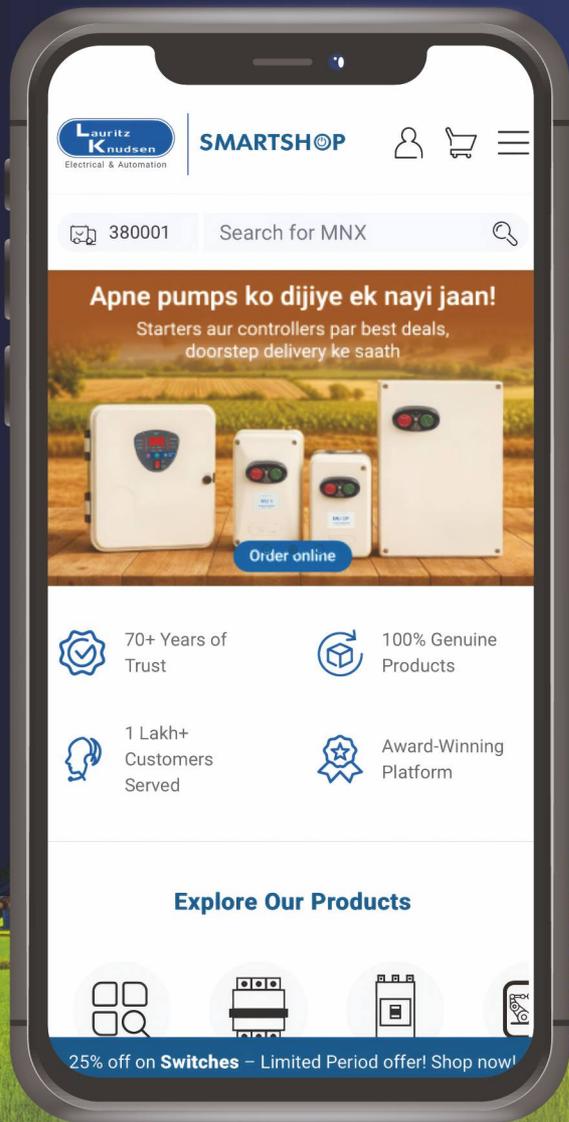
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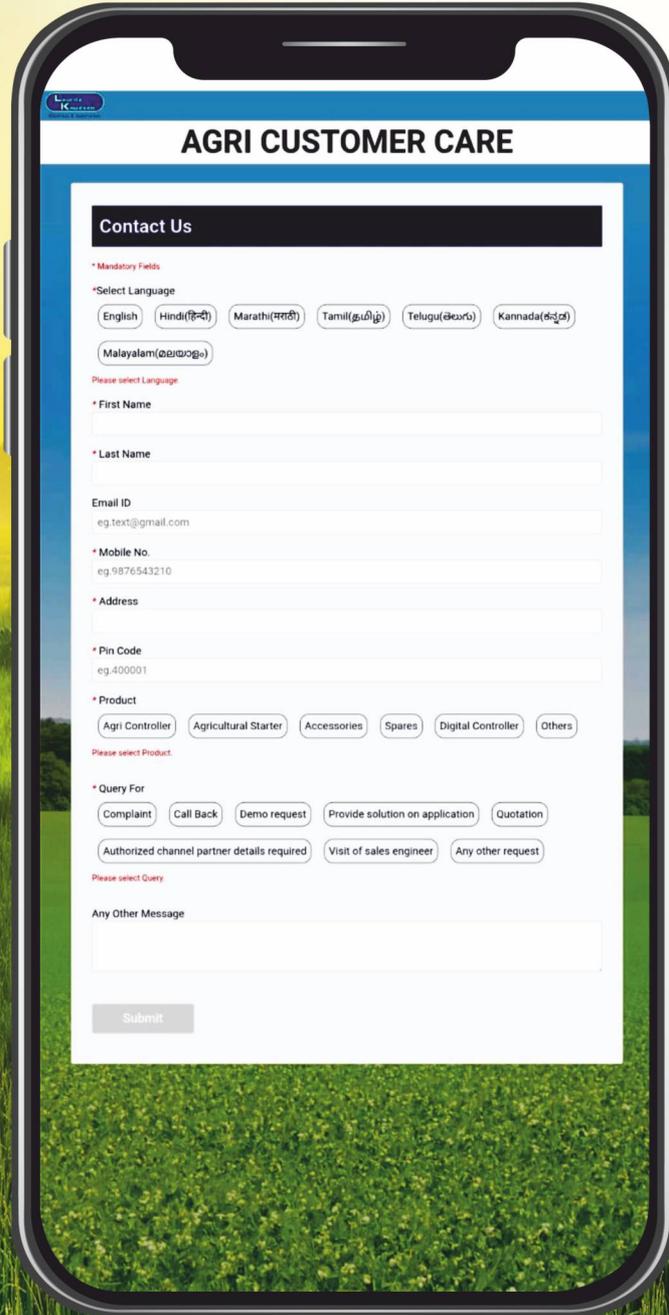
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 - Please select Language:** A dropdown menu.
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Starters and Controllers Offerings & Composition

Offerings

HP Rating (Based On Relay Range And Maximum HP Rating)	3 Phase DOL (Direct On-Line)										
	Starters										
	MK1	MK2	MF1	MU1	MU1H	MB1	MU2	MB2	MU3	ML1.5	ML2
0.125			✓								
0.25 - 2	✓		✓								
3 - 6	✓		✓								
7.5	✓	✓	✓	✓	✓	✓				✓	✓
10				✓	✓	✓				✓	✓
12.5					✓		✓	✓		✓	✓
15							✓	✓	✓	✓	✓
17.5									✓		✓
20											✓

HP Rating (Based On Relay Range And Maximum HP Rating)	3 Phase DOL (Direct On-Line)									
	Automatic Starter with SPPR					Automatic MD Starter+ with <i>i</i> -PROTECTOR				
	MU-1A	MU-1HA	MU-2A	MU-3A	MK1.i	MK2.i	MD1-iU	MD1H-iU	MD2-iU	MD3-iU
0.125										
0.25 - 2										
3 - 6	✓				✓		✓			
7.5	✓				✓	✓	✓			
10	✓	✓					✓			
12.5		✓	✓					✓	✓	
15			✓	✓					✓	
17.5				✓						✓
20										✓

HP Rating (Based On Relay Range And Maximum HP Rating)	3 Phase DOL (Direct On-Line)								
	MU-G6	MU-G7.5	Controller			Controller with WLC		SMART Controller	
			MU-G10	MU-G10HN	MU-G10H	MU-G10W	MU-G6S	MU-G10S	MU-G10HS
0.125									
0.25 - 2									
3 - 6	✓		✓			✓	✓	✓	
7.5		✓	✓			✓		✓	
10			✓	✓	✓	✓		✓	✓
12.5									
15									
17.5									
20									

Starters and Controllers Offerings & Composition

HP Rating (Based On Relay Range And Maximum HP Rating)	3 Phase DOL (Direct On-Line)			
	Automatic Starter with M-POWER Pro			
	MU-1M	MU-1HM	MU-2M	MU-3M
3-6	✓			
7.5	✓			
10	✓			
12.5		✓	✓	
15			✓	
17.5				✓
20				✓

HP Rating (Based On Relay Range And Maximum HP Rating)	3 Phase FASD (Fully Automatic Star-Delta)												
	Starters									Automatic MD Starter+ with <i>i</i> -PROTECTOR			
	MK1	MK2	MU1	MB1	ML1.5	MU2	MB2	ML2	MU3	MD1-iU	MD1H-iU	MD2-iU	MD3-iU
6 - 10	✓									✓			
12.5	✓		✓	✓	✓			✓					
15	✓	✓	✓	✓	✓			✓		✓			
17.5													
20					✓	✓	✓	✓		✓		✓	
25					✓	✓	✓				✓	✓	
30						✓	✓	✓			✓	✓	
35								✓	✓				
40													
50													
75													

HP Rating (Based On Relay Range And Maximum HP Rating)	3 Phase FASD (Fully Automatic Star-Delta)											
	Controller										Controller with WLC	
	MU-G15	MU-G17.5	MU-G20	MU-G20HN	MU-G20H	MU-G25	MU-G30	MU-G40	MU-G50	MU-G75	MU-G20W	MU-G30W
6 - 10	✓											
12.5	✓											
15	✓		✓								✓	
17.5		✓	✓								✓	
20			✓	✓	✓		✓				✓	
25						✓	✓					
30							✓	✓	✓			✓
35								✓	✓			
40								✓	✓			
50									✓	✓		
75										✓		

Starters and Controllers Offerings & Composition

HP Rating (Based On Relay Range And Maximum HP Rating)	3 Phase FASD (Fully Automatic Star-Delta)								
	MU-GS SMART Controller								
	MU-G15S	MU-G15HS	MU-G20S	MU-G20HS	MU-G25S	MU-G30S	MU-G40S	MU-G50S	MU-G75S
6 - 10	✓		✓						
12.5	✓		✓						
15	✓	✓	✓	✓					
17.5			✓	✓					
20			✓	✓		✓			
25					✓	✓			
30						✓	✓	✓	
35							✓	✓	
40							✓	✓	
50								✓	✓
75									✓

HP Rating (Based On Relay Range And Maximum HP Rating)	3 Phase SASD (Semi Automatic Star-Delta)								
	Starters								
	MK1	MK2	MU1	MB1	MU2	MU3	MB2	ML1.5	ML2
6 - 10	✓								
12.5	✓		✓	✓				✓	✓
15	✓	✓	✓	✓					
20					✓		✓	✓	✓
25					✓		✓	✓	
30					✓		✓		✓
35						✓			✓

Starters and Controllers Offerings & Composition

Composition For Three Phase DOL (Direct On-Line) Starters

Starter Type	Relays used																
	Relay Range (A)	1-1.6	1.5-2.5	2.5-4	4-6.5	6-10	9-14	9-15	11-18	13-21	13-22	14-23	15-25	20-32	20-33	24-38	28-42
MK1		MK1	MK1	MK1	MK1	MK1	MK1		MK1		MK1						
MK2											MK2			MK2			
MU1							MU2			MU2			MU2				
MU1H													MU2	MU2			
MU2										MU2				MU2		MU2	
MU3																MU2	MU2
MB1								MN2				MN2					
MB2												MN2			MN2		
ML1.5							ML2/3			ML2/3				ML2/3			
ML2							ML2/3			ML2/3				ML2/3			
MU-1A					MU1	MU1	MU2			MU2			MU2				
MU-1HA													MU2	MU2			
MU-2A										MU2				MU2		MU2	
MU-3A																MU2	MU2
MK1.i				MK1	MK1	MK1			MK1		MK1						
MK2.i											MK2			MK2			
Starter Type	Contactors used																
	Relay Range (A)	1-1.6	1.5-2.5	2.5-4	4-6.5	6-10	9-14	9-15	11-18	13-21	13-22	14-23	15-25	20-32	20-33	24-38	28-42
MK1		MK1	MK1	MK1	MK1	MK1	MK1		MK1		MK1						
MK2											MK2			MK2			
MU1							MU1			MU1			MU1				
MU1H													MU1H	MU1H			
MU2										MU2				MU2		MU2	
MU3																MU3	MU3
MB1								MU1				MU1					
MB2												MU2			MU2		
ML1.5							ML1.5			ML1.5				ML1.5			
ML2							ML2			ML2				ML2			
MU-1A					MU1	MU1	MU1			MU1			MU1				
MU-1HA													MU1H	MU1H			
MU-2A										MU2				MU2		MU2	
MU-3A																MU3	MU3
MK1.i				MK1	MK1	MK1			MK1		MK1						
MK2.i											MK2			MK2			

Starters and Controllers Offerings & Composition

Composition For MU-M DOL (Direct On-Line) Starters

Starter Type	Relay Range (A)	Contactor Used								Relay Type
		4-6.5	6-10	9-14	13-21	15-25	20-32	24-38	28-42	
MU-1M	4-6.5	MU1	MU1							MU1
MU-1HM	6-10			MU1	MU1	MU1				MU2
MU-2M	9-14					MU1H	MU1H			MU2
MU-3M	13-21				MU2		MU2	MU2		MU2
	15-25							MU3	MU3	MU2

Composition For Three Phase SASD (Semi Automatic Star-Delta) Starters

Starter Type	Relay Range (A)	Relays used											
		4-6.5	6-10	9-14	9-15	11-18	13-21	13-22	14-23	20-32	20-33	24-38	28-42
MK1	4-6.5	MK1	MK1	MK1		MK1		MK1					
MK2	6-10							MK2		MN2			
MU1	9-14			MU2			MU2						
MU2	13-21						MU2			MU2			
MU3	15-25											MU2	MU2
MB1	11-18				MN2				MN2				
MB2	14-23							MN2			MN2		
ML1.5	20-32			ML2/3			ML2/3			ML2/3			
ML2	20-33			ML2/3			ML2/3			ML2/3			

Starter Type	Relay Range (A)	Contactors used											
		4-6.5	6-10	9-14	9-15	11-18	13-21	13-22	14-23	20-32	20-33	24-38	28-42
MK1	4-6.5	MK1	MK1	MK1		MK1		MK1					
MK2	6-10							MK2		MK2			
MU1	9-14			MU1			MU1						
MU2	13-21						MU2			MU2			
MU3	15-25											MU3	MU3
MB1	11-18				MU1				MU1				
MB2	14-23							MU2			MU2		
ML1.5	20-32			ML2/3			ML1.5			ML1.5			
ML2	20-33			ML2/3			ML2			ML2			

Starters and Controllers Offerings & Composition

Composition For Three Phase FASD (Fully Automatic Star-Delta) Starters

Relay Range (A)		Relays used											
		4-6.5	6-10	9-14	9-15	11-18	13-21	13-22	14-23	20-32	20-33	24-38	28-42
Starter Type													
MK1		MK1	MK1	MK1		MK1		MK1					
MK2								MK2		MN2			
MU1				MU2			MU2						
MU2							MU2			MU2			
MU3												MU2	MU2
MB1					MN2				MN2				
MB2									MN2		MN2		
ML1.5				ML2/3			ML2/3			ML2/3			
ML2				ML2/3			ML2/3			ML2/3			

Relay Range (A)		Contactors used											
		4-6.5	6-10	9-14	9-15	11-18	13-21	13-22	14-23	20-32	20-33	24-38	28-42
Starter Type													
MK1		MK1	MK1	MK1		MK1		MK1					
MK2								MK2		MK2			
MU1				MU1			MU1						
MU2							MU2			MU2			
MU3												MU3	MU3
MB1					MU1				MU1				
MB2									MU2		MU2		
ML1.5				ML1.5			ML1.5			ML1.5			
ML2				ML2			ML2			ML2			

Composition for MD Starter+

Starter Type	Relay Range (A)	MD Starter+ DOL							MD Starter+ FASD							Relay Type	i-PROTECTOR Type
		Contactors used							Contactors used								
		6-10	9-14	13-21	15-25	20-32	24-38	28-42	6-10	9-14	13-21	15-25	20-32	24-38	28-42		
MD1-iU		MU1								MU1						MU1	i-ADSM
MD1H-iU			MU1	MU1	MU1					MU1	MU1					MU2	i-ADSM/i-VDSM
MD2-iU				MU1H	MU1H	MU1H						MU1H				MU2	i-ADSM/i-VDSM
MD3-iU					MU2	MU2	MU2	MU2				MU2	MU2	MU2		MU2	i-ADSM/i-VDSM
						MU3	MU3	MU3					MU3	MU3	MU3	MU2	i-ADSM/i-VDSM

Starters and Controllers Offerings & Composition

Composition For Three Phase Controllers

Controller Type	Relays used														
	Relay Range (A) 4-6.5	6-10	9-14	11-18	13-21	13-22	15-25	20-32	20-33	24-38	28-42	30-50	36-60	45-75	66-110
MU-G6	MK1	MK1	MK1												
MU-G7.5						MK2		MK2							
MU-G10	MU1	MU1	MU2		MU2										
MU-G10HN							MU2	MU2							
MU-G10H								MU2			MU2				
MU-G15		MK1	MK1	MK1		MK1									
MU-G17.5						MK2		MK2							
MU-G20			MU2		MU2										
MU-G20HN							MU2	MU2							
MU-G20H								MU2			MU2				
MU-G25										MU2	MU2				
MU-G30									MN5			MN5			
MUG40												MN5	MN5		
MU-G50												MN5		MN5	
MU-G75														MN5	MN5
MU-G10W	MU1	MU1	MU2		MU2			MU2			MU2				
MU-G20W			MU2		MU2			MU2			MU2				
MU-G30W												MN5			

Starters and Controllers Offerings & Composition

Composition For Three Phase Controllers

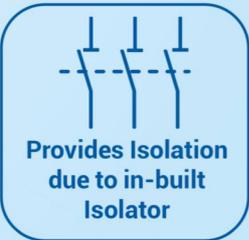
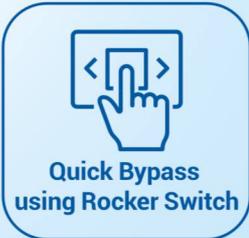
Relay Range Controller Type (A)	Contactors used															Single Phase Preventer Used
	4-6.5	6-10	9-14	11-18	13-21	13-22	15-25	20-32	20-33	24-38	28-42	30-50	36-60	45-75	66-110	
MU-G6	MK1	MK1	MK1													Sz5
MU-G7.5						MK2		MK2								Sz5
MU-G10	MU1	MU1	MU1		MU1											Sz5
MU-G10HN							MU1H	MU1H								Sz5
MU-G10H								MU2			MU2					Sz5
MU-G15		MK1	MK1	MK1		MK1										SDz5
MU-G17.5						MK2		MK2								SDz5
MU-G20			MU1		MU1											SDz5
MU-G20HN							MU1H	MU1H								SDz5
MU-G20H								MU2			MU2					SDz5
MU-G25										MU3	MU3					SDz5
MU-G30									ML2W			ML2W				SDz5
MUG40												ML3W	ML3W			SDz5
MU-G50												ML4W		ML4W		SDz5
MU-G75														ML6W	ML6W	SDz5
MU-G10W	MU1	MU1	MU1		MU1			MU2			MU2					Sz5
MU-G20W			MU1		MU1			MU2			MU2					SDz5
MU-G30W												ML2W				SDz5

Digital Relay Ranges, Contactors & SCPD Available In MU-G SMART Controller

Digital Relay Ranges	4-22	13-32	13-42	20-42	24-42	20-50	30-60	30-75	45-90	
SMART Controller Type	Contactors used									SCPD
MU-G6S	MK1									25A 3P MCB K Curve
MU-G10S	MU1									25A 3P MCB K Curve
MU-G10HS				MU2						50A 3P MCB K Curve
MU-G15S	MK1									63A 3P MCB K Curve
MU-G15HS		MK2								100A 3P MCB K Curve
MU-G20S	*MU1	*MU1H								*63A 3P MCB K Curve *100A 3P MCB K Curve
MU-G20HS			MU2							125A 3P MCB K Curve
MU-G25S					MU3					125A 3P MCB K Curve
MU-G30S						ML2W				DZ1-160M-160A MCCB
MUG40S							ML3W			DZ1-160M-160A MCCB
MU-G50S								ML4W		DN2-250M-250A MCCB
MU-G75S									ML6W	DN2-250M-250A MCCB

Multi-Motor Controller

Effortless Simplicity, Limitless Control



Multi-Motor Controller available for 4-Motor, 2-Motor and 1-Motor application

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Irrigation Automation Solution

Irrigation Automation Solution offers smart and connected solutions for farm irrigation. With SMARTCOMM IMS cloud software and integrated product solutions, it enables time-based, volume-based, and sensor-based complete irrigation automation with remote application. Innovative and smart technology drives this solution, providing flexibility to operate with Sub-1GHz, Wi-Fi, 4G-GSM, and RS485 as per the users' requirements and preferences.

Features



Integrated Standard Solution



Customisable Parameters and Access Control



Remote Application and Control



Graphical Analysis



Modular Controllers



Comprehensive Data Analysis



Time based, Volume based and Sensor based Operation



Local Weather Integration



Program and Schedules



EC Management and pH Control for Precise Nutrition



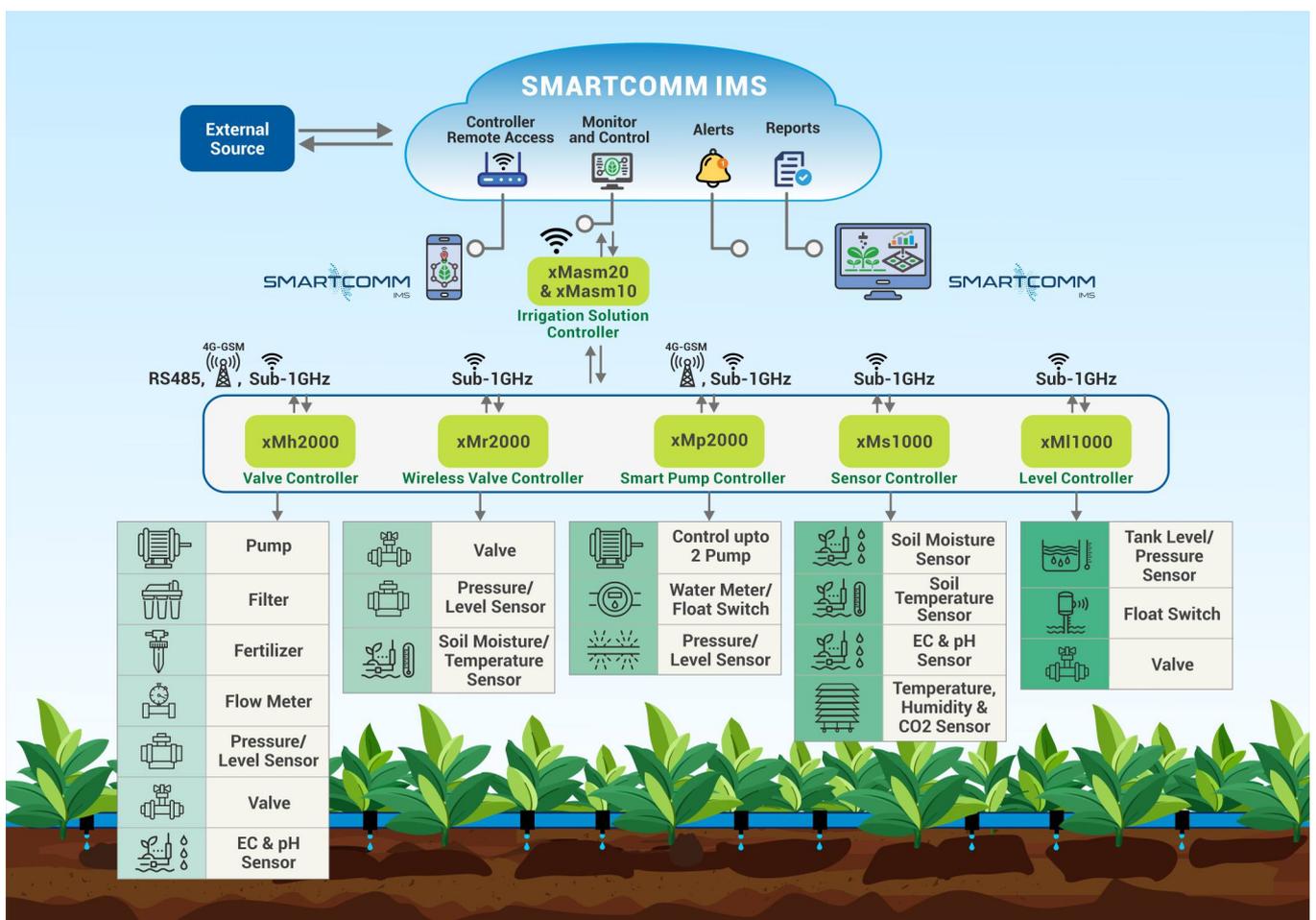
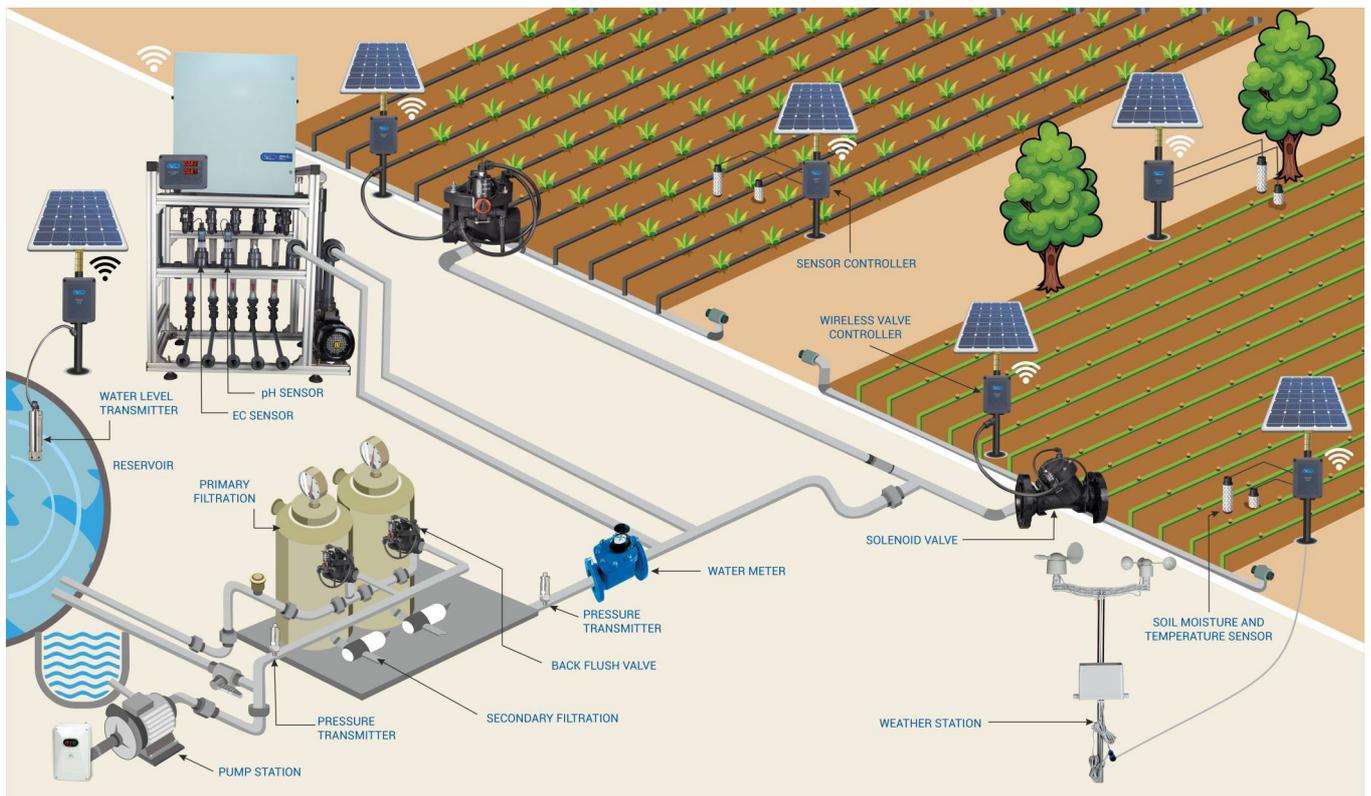
Real-Time Activity Monitoring



Alarms and Notifications



Irrigation Automation Solution Layout



SMARTCOMM IMS

LK FARM | xMm 2000 | All irrigation line | Last sync @ : Today 03:10 PM

PAUSE ALL LINE

0.00 l/s

Water Meter II 1.1

Valve 1.1, Valve 1.2, Valve 1.3, Valve 1.4, Valve 1.5, Valve 1.6, Valve 1.7, Valve 1.8, Valve 1.9, Valve 1.10, Valve 1.11, Valve 1.12, Valve 2.1, Valve 2.2, Valve 2.3, Valve 2.4, Valve 2.5, Valve 3.1, Valve 3.2, Valve 3.3, Valve 3.4

CURRENT SCHEDULE

Name	Location	Zone	Zone Name	RTC	Cyclic	Start Time	Set (Dur/Flw)	Avg/Flw Rate	Remaining
Program 2 Turned On Manually	IL.2	1/3	Sequence 2.1	--	--	12:00 AM	00:03:00	0/hr	00:03:00

NEXT SCHEDULE IN QUEUE

Name	Method	Location	Zone	Zone Name	Start Time	Set(Duration/Flow)
Program 2	No Schedule	IL.2	2	Sequence 2.2	12:03 AM	00:03:00

SCHEDULED PROGRAM

Line Id	Name	Method	Status or Reason	Zone	Start Date & Time	End Date	Actions
IL.2	Program 2	No Schedule	Start Stop: Turned On Manually	3	12-05-2025 : 12:00 AM	12-05-2025	Stop Manually, Pause
IL.1	Program 1	Schedule by days	Start Stop: Running As Per Schedule	6	- :-	12-05-2025	Start Manually, Pause
IL.3	Program 3	No Schedule	Start Stop: Program Ready	4	- :-	-	Start Manually, Pause



Remote Monitoring and Control



Overview of Total Farm



Graphs and Reports



Multi-Lingual Support



Mobile and Web Based Application



Alerts and Notifications



Role Based Access Control



Programming and Scheduling

Irrigation Automation Solution

xMasm10 / xMasm20 Irrigation Solution



Interior View of
xMasm10 - Wired Solution



xMasm10 (Wired Solution)



xMasm20 (Wireless Solution)

Irrigation Solution [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
IRRIGATION SOLUTION xMasm10 WIRED	xMasm100000	1	Price on Request
IRRIGATION SOLUTION xMasm20 WIRELESS	xMasm200000	1	

Controllers

xMm1000 / xMm2000 Irrigation Master Controllers

The controller offers time, volume, and sensor-based irrigation with hundreds of programs for main lines and valves. It supports Wi-Fi, Ethernet, Bluetooth, RS485 and Sub-1GHz.



xMm1000



xMm2000

Irrigation Master Controller [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
IRRIGATION MASTER CONTROLLER xMm2000 RS485 Sub-1GHz	xMm2000R00L	1	Price on Request
IRRIGATION MASTER CONTROLLER xMm1000 RS485	xMm1000R000	1	
IRRIGATION MASTER CONTROLLER xMm1000 RS485 Sub-1GHz	xMm1000R00L	1	

xMh1000 / xMh2000 Valve Controller

This modular controller can ON/OFF pumps, valves, filtration backwash and fertigation processes efficiently. It is available with Sub-1GHz and 4G-GSM variants, which reduces wiring costs by enabling installation at a central field location. RS485 variant is also available.

xMh1000 is a modular controller supporting 8 outputs for valves, pressure, and level sensors. 4 outputs variants are also available.

xMh2000 operates 16 outputs for valves, water meters, pressure, and level sensors. 8 outputs variants are also available.



xMh1000

Valve Controller [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
VALVE CONTROLLER xMh1000 RS485 4R	xMh1000RO40*	1	Price on Request
VALVE CONTROLLER xMh1000 RS485 4R ADC	xMh1000RO4A	1	
VALVE CONTROLLER xMh1000 RS485 8R	xMh1000RO80	1	
VALVE CONTROLLER xMh1000 RS485 8R ADC	xMh1000RO8A	1	
VALVE CONTROLLER xMh1000 GSM 4R	xMh1000GO40	1	
VALVE CONTROLLER xMh1000 GSM 4R ADC	xMh1000GO4A	1	
VALVE CONTROLLER xMh1000 GSM 8R	xMh1000GO80	1	
VALVE CONTROLLER xMh1000 GSM 8R ADC	xMh1000GO8A	1	
VALVE CONTROLLER xMh1000 Sub-1GHz 4R	xMh1000LO40	1	
VALVE CONTROLLER xMh1000 Sub-1GHz 4R ADC	xMh1000LO4A	1	
VALVE CONTROLLER xMh1000 Sub-1GHz 8R	xMh1000LO80	1	
VALVE CONTROLLER xMh1000 Sub-1GHz 8R ADC	xMh1000LO8A	1	
VALVE CONTROLLER xMh2000 RS485 8R	xMh2000RO80	1	
VALVE CONTROLLER xMh2000 RS485 16R	xMh2000R160	1	
VALVE CONTROLLER xMh2000 RS485 16R ECpH	xMh2000R16E	1	
VALVE CONTROLLER xMh2000 GSM 8R	xMh2000GO80	1	
VALVE CONTROLLER xMh2000 GSM 16R	xMh2000G160	1	
VALVE CONTROLLER xMh2000 Sub-1GHz 8R	xMh2000LO80	1	
VALVE CONTROLLER xMh2000 Sub-1GHz 16R	xMh2000L160	1	
VALVE CONTROLLER xMh1000 GSM WiFi 16R	xMh1000G16D*	1	

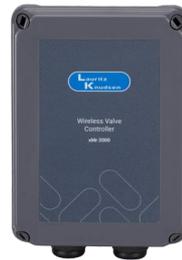
Note: *Upcoming Cat. Nos.

xMr1000 / xMr2000 Wireless Valve Controller

xMr1000 and xMr2000 are Wireless Valve Controllers, having variants to operate 4 valves and 8 valves. It integrates with a Soil Moisture Sensor and Soil Temperature Sensor and it receives data from Master Control Unit via Sub-1GHz



xMr1000



xMr2000

Wireless Valve Controller [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
WIRELESS VALVE CONTROLLER xMr1000 4L Sub-1GHz	xMr1000TO40	1	Price on Request
WIRELESS VALVE CONTROLLER xMr1000 4L ADC Sub-1GHz	xMr1000TO4A	1	
WIRELESS VALVE CONTROLLER xMr1000 8L Sub-1GHz	xMr1000TO80	1	
WIRELESS VALVE CONTROLLER xMr1000 8L ADC Sub-1GHz	xMr1000TO8A	1	
WIRELESS VALVE CONTROLLER xMr2000 4L 4SM ST Sub-1GHz	xMr2000TS40*	1	
WIRELESS VALVE CONTROLLER xMr2000 4L 4SM ST ADC Sub-1GHz	xMr2000TS4A	1	

Note: *Upcoming Cat. Nos.

xMp1000 / xMp2000 Smart Pump Controller

xMp1000 and xMp2000 Pump Controllers can operate up to 2 pumps. It supports Wi-Fi, 4G-GSM and Sub-1GHz. It also can be connected with Level Sensors, Flow Meters and Pressure Sensors.

It offers protection against dry run, overload, voltage fluctuations, phase loss, phase reversal, phase unbalance, etc



xMp1000



xMp2000

Smart Pump Controller [HSN Code 9032]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
SMART PUMP CONTROLLER xMp1000 GSM	xMp1000G000	1	Price on Request
SMART PUMP CONTROLLER xMp2000 GSM	xMp2000G000	1	
SMART PUMP CONTROLLER xMp1000 WiFi	xMp1000W000	1	
SMART PUMP CONTROLLER xMp2000 WiFi	xMp2000W000	1	
SMART PUMP CONTROLLER xMp2000 GSM 1PH	xMp2000G1PH	1	

Smart Pump Controller [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
SMART PUMP CONTROLLER xMp2000 Sub-1GHz	xMp2000LOOO	1	Price on Request
SMART PUMP CONTROLLER xMp1000 Sub-1GHz	xMp1000LOOO	1	

xMw1000 Weather Station Controller

xMw1000 Weather Station Controller unit collects weather data and send it to Master Control unit. It connects through Sub-1GHz or GPRS.



xMw1000

Weather Station Controller [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
WEATHER STATION CONTROLLER xMw1000 GSM	xMw1000G000	1	Price on Request
WEATHER STATION CONTROLLER xMw1000 Sub-1GHz	xMw1000LOOO	1	

xMI1000 Wireless Tank Level Controller

A simple way to obtain water level data. The Level Monitor unit collects water level data and send to Master Control Unit.



xMI1000

Wireless Tank Level Controller [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
WIRELESS TANK LEVEL CONTROLLER xMI1000 4LS ADC DI Sub-1GHz	xMI1000LOOA	1	Price on Request
WIRELESS TANK LEVEL CONTROLLER xMI1000 4L 4LS ADC Sub-1GHz	xMI1000LO4A	1	

xMs1000 Sensor Controller

xMs1000 Sensor Controller gets soil moisture and temperature data and send to master controller unit

Sensor Controller [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
SENSOR CONTROLLER xMs1000 ECpH	xMs1000EP4S	1	Price on Request

Monitoring Devices

xMs1000 EC & pH Monitor

The xMs1000 is a compact and advanced pH and EC (Electrical Conductivity) measuring system. It offers direct and highly accurate measurements of both pH and EC levels through sensors. With its high input impedance, excellent accuracy, the xMs1000 ensures precise readings, making it ideal for a wide range of agricultural applications.



xMs1000

EC & pH Monitor [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
EC & pH MONITOR xMs1000 4SM ST Sub-1GHz	xMs1000TS4S	1	Price on Request
EC & pH MONITOR xMs1000 H CO2 Sub-1GHz	xMs1000HC4S	1	



Solenoid Valve

Electric control solenoid valves are specially designed for irrigation systems, providing reliable performance with both AC and DC. Solenoid valves are available in 2-Inch, 3-Inch, and 4-Inch sizes.



2-Inch Threaded 3 way



3-Inch Threaded 3 way



4-Inch Flanged 3 way

Solenoid Valve [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
2"THREADED 3 WAY 24V AC xMv1200 VALVE	xMv1200ACOT	1	Price on Request
2"THREADED 3 WAY 24V DC xMv2200 VALVE	xMv2200DCOT	1	
2"THREADED L 6-20V DC xMv2200 VALVE	xMv2200DCLT	1	
3"THREADED 3 WAY 24V AC xMv1300 VALVE	xMv1300ACOT	1	
3"THREADED 3 WAY 24V DC xMv2300 VALVE	xMv2300DCOT	1	
3"THREADED L 6-20V DC xMv2300 VALVE	xMv2300DCLT	1	
4"FLANGED 3 WAY 24V AC xMv1400 VALVE	xMv1400ACOF	1	
4"FLANGED 3 WAY 24V DC xMv2400 VALVE	xMv2400DCOF	1	
4"FLANGED L 6-20V AC xMv2400 VALVE	xMv2400PSOT	1	

Pressure Sustaining Valve

The pressure sustaining valve is a hydraulically operated, diaphragm-actuated control valve designed to maintain a minimum upstream pressure, ensuring consistent water flow. It is available in 2-Inch, 3-Inch and 4-Inch variants.

- › **Maintains Upstream Pressure:** Keeps the desired pressure level in the system.
- › **Automatic Operation:** Opens fully when the line pressure exceeds the set limit.
- › **Versatile Use:** Ideal for a variety of irrigation applications.



Pressure Sustaining Value

Pressure Sustaining Valve [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
2"THREADED xMv1200 PRESSURE SUSTAINING VALVE	xMv1200PSOT	1	Price on Request
3"THREADED xMv1300 PRESSURE SUSTAINING VALVE	xMv1300PSOT	1	
4"THREADED xMv1400 PRESSURE SUSTAINING VALVE	xMv1400PSOF	1	

Pressure Relief Valve

The hydraulically operated, diaphragm-actuated control valve is designed to efficiently relieve excessive line pressure, ensuring the integrity of irrigation system.

- › **Quick Response:** Reacts swiftly to pressure changes for optimal performance.
- › **Adjustable Set Points:** Customize set points for tailored operation.
- › **Protection:** Safeguard your irrigation system from potential damage.



2-Inch Threaded xMv100



3-Inch Threaded xMv200

Pressure Relief Valve [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
2"THREADED xMv100Q PRESSURE RELIEF VALVE	xMv100QPR2T	1	Price on Request
3"THREADED xMv200Q PRESSURE RELIEF VALVE	xMv200QPR3T	1	
4"FLANGED xMv200Q PRESSURE RELIEF VALVE	xMv200QPR4T	1	

Back Flush Valve

xMv1300 Back flush valve is designed for automatic backflushing of filters.

Back Flush Valve [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
3"AUTO BACK FLUSH VALVE xMv1300	xMv1300ABFV *	1	Price on Request

Note: *Upcoming Cat. Nos.

Air Valve

Air Valve [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
1" AIR VALVE 32mm xMv1100	xMv110032AV	1	Price on Request

Water Flow Meter

Low head loss magnetic drive water flow meter is ideal for measuring water that contains solid debris

Water Flow Meter [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
2" WATER FLOW METER xMf1200	xMf12000000	1	Price on Request
3" WATER FLOW METER xMf1300	xMf13000000	1	
4" WATER FLOW METER xMf1400	xMf14000000	1	

Sensors



Soil Moisture Sensor with 5 Mtr Cable

Soil Moisture and Temperature Sensor [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
SOIL MOISTURE SENSOR xMd1300 5 mtr CABLE	xMd13000005	1	Price on Request
SOIL TEMPERATURE SENSOR xMd1300	xMd13000000	1	



Pressure Transmitter [HSN Code 9026]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
PRESSURE TRANSMITTER xMd1400 0-10 bar	xMd14000010	1	Price on Request



Water Level Transmitter [HSN Code 9026]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
WATER LEVEL TRANSMITTER xMd1500 0-15 mtr	xMd15000015	1	Price on Request
WATER LEVEL TRANSMITTER xMd1500 0-30 mtr	xMd15000030	1	



pH sensor xMd1200 EC sensor xMd1100

EC-pH Sensor [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
EC SENSOR xMd1100	xMd11000010	1	Price on Request
pH SENSOR 0 TO 14pH xMd1200	xMd12000014	1	

Rain and Wind Sensor [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
RAIN AND WIND SENSOR xMd1700	xMd17000000	1	Price on Request

Humidity and CO2 Sensor [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
HUMIDITY AND CO2 SENSOR xMd1800	xMd18000000	1	Price on Request

Lux Sensor [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
LUX SENSOR xMd1900	xMd19000000	1	Price on Request

Leaf Wetness Sensor [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
LEAF WETNESS SENSOR xMd2000	xMd20000000	1	Price on Request

Accessories



Solenoid Coil [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
3 WAY SOLENOID xMsp100 24V AC	xMsp1003SAC	1	Price on Request
3 WAY SOLENOID xMsp100 24V DC	xMsp1003SDC	1	
LATCH SOLENOID xMsp100 6-20V DC	xMsp100LSDC	1	

Pressure Sustain Pilot [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
PRESSURE SUSTAIN PILOT xMsp100	xMsp100PSPO	1	Price on Request

Float Switch [HSN Code 9026]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
FLOAT SWITCH xMfs100	xMfs1001000	1	Price on Request
FLOAT SWITCH 2mtr CABLE xMfs100	xMfs1002000	1	
FLOAT SWITCH 4mtr CABLE xMfs100	xMfs1004000	1	
FLOAT SWITCH 8mtr CABLE xMfs100	xMfs1008000	1	

Irrigation Power Module [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
IRRIGATION POWER MODULE xMa1000	xMa10000000	1	Price on Request

AC to DC Adaptor [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
AC TO DC ADAPTOR xMsp100	xMsp100ACDC*	1	Price on Request

Note: *Upcoming Cat. Nos.

Extend [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
EXTEND xMe1000 Sub-1GHz	xMe1000L000	1	Price on Request

Bluetooth Device [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
BLUETOOTH DEVICE xMb1000	xMb10000000	1	Price on Request

Solar Panel [HSN Code 8541]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
20W SOLAR PANEL xMa1020 WITH CLAMP	xMa1020C000	1	Price on Request
20W SOLAR PANEL xMa1020	xMa10200000	1	

Other Accessories

Other Accessories [HSN Code 9032]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
WIRELESS LEVEL MONITOR RECEIVER xMsp100	xMsp100LMRO	1	Price on Request
WIRELESS LEVEL MONITOR TRANSMITTER xMsp100	xMsp100LMTO	1	
WIRELESS START RECEIVER SSN xMsp100	xMsp100LSRS	1	
WIRELESS START REPEATER SSN xMsp100	xMsp100LPRS	1	
WIRELESS START TRANSMITTER SSN xMsp100	xMsp100LSTS	1	
WIRELESS MULTITANK TRANSCEIVER xMsp100	xMsp100LSSS	1	
WIRELESS MULTITANK VALVE CONTROLLER xMsp200	xMsp200MTVC	1	
WIRELESS MULTITANK VALVE REPEATER xMsp200	xMsp200MTRO	1	
WIRELESS LEVEL MONITOR REPEATER xMsp100	xMsp100LMRR	1	

xMf1000 / xMf3000 / xMf5000 Irrigation Fertigation Module

A fertigation system delivers fertilizers through irrigation, ensuring efficient and uniform nutrient supply to crops. Available in 1-channel, 3-channel and 5-channel models, it allows precise dosing of multiple fertilizers based on crop needs for advanced nutrient management.



xMf1000



xMf5000

Irrigation Fertigation Module [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
IRRIGATION FERTIGATION MODULE xMf1000	xMf10000000	1	Price on Request
IRRIGATION FERTIGATION MODULE xMf3000	xMf30000000	1	
IRRIGATION FERTIGATION MODULE xMf5000	xMf50000000	1	

Fertigation Accessories [HSN Code 8424]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
NEEDLE VALVE xMsp100	xMsp100NV00	1	Price on Request
ROTAMETER 500 xMsp100	xMsp100R500	1	
VENTURI 600 xMsp1V0	xMsp1V00600	1	
DOSING SOLENOID COIL xMsp100	xMsp100SC00	1	



Irrigation Units & Spares

Irrigation Unit [HSN Code 8424]

Description	Cat. No.
IRRIGATION UNIT WiFi 8R 1PH xMxv10M	xMxv10M2W08
IRRIGATION UNIT WiFi 16R 1PH xMxv10M	xMxv10M2W16
IRRIGATION UNIT WiFi 8R 3PH xMxv30M	xMxv30M2W08
IRRIGATION UNIT WiFi 16R 3PH xMxv30M	xMxv30M2W16
IRRIGATION UNIT GSM 16R 3PH xMxv30M	xMxv30M2G16
IRRIGATION UNIT GSM 8R 3PH xMxv30M	xMxv30M2G08
IRRIGATION UNIT GSM 8R 1PH xMxv10M	xMxv10M2G08
IRRIGATION UNIT GSM 16R 1PH xMxv10M	xMxv10M2G16
IRRIGATION UNIT GSM Sub-1GHz 8R 3PH xMxv30M	xMxv30MSG08
IRRIGATION UNIT GSM Sub-1GHz 16R 3PH xMxv30M	xMxv30MSG16
IRRIGATION UNIT GSM Sub-1GHz 8R 1PH xMxv10M	xMxv10MSG08
IRRIGATION UNIT GSM Sub-1GHz 16R 1PH xMxv10M	xMxv10MSG16
IRRIGATION UNIT WiFi Sub-1GHz 8R 1PH xMxv10M	xMxv10MSW08
IRRIGATION UNIT WiFi Sub-1GHz 8R 3PH xMxv30M	xMxv30MSW08
IRRIGATION UNIT WiFi Sub-1GHz 16R 1PH xMxv10M	xMxv10MSW16
IRRIGATION UNIT WiFi Sub-1GHz 16R 3PH xMxv30M	xMxv30MSW16
IRRIGATION UNIT GSM 10R 3PH xMyv30M	xMyv30M0G10
IRRIGATION UNIT WiFi 10R 1PH xMyv10M	xMyv10M0W10
IRRIGATION UNIT WiFi 10R 3PH xMyv30M	xMyv30M0W10
IRRIGATION UNIT GSM 10R 1PH xMyv10M	xMyv10M0G10
IRRIGATION UNIT GSM 2R 1PH xMzv10M	xMzv10M0G02
IRRIGATION UNIT GSM 2R 3PH xMzv30M	xMzv30M0G02
IRRIGATION UNIT GSM 4R 1PH xMzv10M	xMzv10M0G04
IRRIGATION UNIT GSM 4R 3PH xMzv30M	xMzv30M0G04
IRRIGATION UNIT GSM 1R 1LIGHT 1PH xMzv1LM	xMzv1LM0G01
IRRIGATION UNIT GSM 1R 1LIGHT 3PH xMzv3LM	xMzv3LM0G01
IRRIGATION UNIT WiFi 2R 1PH xMzv10M	xMzv10M0W02
IRRIGATION UNIT WiFi 2R 3PH xMzv30M	xMzv30M0W02
IRRIGATION UNIT WiFi 4R 1PH xMzv10M	xMzv10M0W04
IRRIGATION UNIT WiFi 4R 3PH xMzv30M	xMzv30M0W04
IRRIGATION UNIT WiFi 1R 1LIGHT 1PH xMzv1LM	xMzv1LM0W01
IRRIGATION UNIT WiFi 1R 1LIGHT 3PH xMzv3LM	xMzv3LM0W01

PCB Cards [HSN Code 8424]

Description	Cat. No.
4 RELAY CARD xMsc100	xMsc100R004
8 RELAY CARD xMsc100	xMsc100R008
8 RELAY CARD 2 xMsc100	xMsc100R208
RS485 MASTER CARD xMsc100	xMsc100RMOO
RS485 CARD xMsc100	xMsc100RS00
RS485 CARD 2 xMsc100	xMsc100R200
4 LATCH CARD xMsc100	xMsc100L004
4 TO 20mA CARD xMsc100	xMsc100ADCO
POWER SUPPLY 12V CARD xMsc100	xMsc100PS12
POWER SUPPLY CARD xMsc100	xMsc100PS08
POWER SUPPLY PUMP CARD xMsc100	xMsc100PSPC
Sub-1GHz CARD xMsc100	xMsc100S000
Sub-1GHz PUMP CARD xMsc100	xMsc100SP00
MOISTURE CARD xMsc100	xMsc100MOOO
DIGITAL INPUT CARD xMsc100	xMsc100DI00
WEATHER CARD xMsc100	xMsc100WE00
MASTER CONTROLLER BASE CARD xMsc100	xMsc100MB00
VALVE CONTROLLER BASE CARD xMsc100	xMsc100HB00
VALVE CONTROLLER BASE CARD xMsc200	xMsc200HB00
RTU BASE CARD xMsc100	xMsc100RB00
LEVEL BASE CARD xMsc100	xMsc100LB00
SENEOR CONTROLLER BASE CARD xMsc100	xMsc100SB00
Sub-1GHz MASTER CARD1 xMsc100	xMsc100SM10
Sub-1GHz MASTER CARD2 xMsc100	xMsc100SM20
EC pH BASE CARD xMsc100	xMsc100ECPH
EC pH 7 SEGMENT DISPLAY CARD xMsc100	xMsc100EPHD

PCB Cards [HSN Code 9032]

Description	Cat. No.
GSM CARD xMsc100	xMsc100G000
WiFi CARD xMsc100	xMsc100W000
WiFi PUMP CARD xMsc100	xMsc100WP00
GSM PUMP CARD xMsc100	xMsc100GP00
PUMP BASE CARD xMsc100	xMsc100PB00
WIRELESS GSM CARD xMsc100	xMsc1K00G00
WIRELESS GSM CARD 4G xMsc101	xMsc1K10G40
WIRELESS GSM SP CARD 4G xMsc301	xMsc3K10G40
WIRELESS GSM SP CARD 4G xMsc301 WLC	xMsc3K10G4W

Transformers [HSN Code 9032]

Description	Cat. No.
TRANSFORMER USP58(A) xMsp10T	xMsp10TUSPA
TRANSFORMER N USP62(A) xMsp10T	xMsp10TUSPB
TRANSFORMER USP62(B) xMsp10T	xMsp10TUSPC
TRANSFORMER N USP12 xMsp10T	xMsp10TUSPD
TRANSFORMER N USP07 xMsp10T	xMsp10TUSPE

Batteries [HSN Code 9032]

Description	Cat. No.
BATTERY 11.1V 5200mAh xMsp10B	xMsp10B1101
BATTERY 7.4V 5200mAh xMsp10B	xMsp10B704V
BATTERY 3.7V 2600mAh xMsp10B	xMsp10B307V
BATTERY 3.3V LITHIUM CELL xMsp10B	xMsp10B303L
RTC BATTERY xMsp100	xMsp100BRTC

Other Spares [HSN Code 9032]

Description	Cat. No.
MASTER CONTROLLER PCB xMsp100	xMsp100MCPO
ACTIVE COOLER FAN WITH HEATSINK xMsp100	xMsp100HSCF
12V FAN xMsp100	xMsp10012VF
USB TO TTL WITH RMC CABLE xMsp100	xMsp100USBR
10 DBI ANTENNA xMsp100	xMsp100AO10
3 DBI ANTENNA xMsp100	xMsp100AO03
SURGE PROTECTOR xMsp100	xMsp100SPOO
BNC FEMALE CONNECTOR xMsp100	xMsp100FCOO
LCD DISPLAY xMsp100	xMsp100LCDD
3CT COIL xMsp100	xMsp1003CTC

MCB

with K-Curve

Exclusively for Agricultural Pumps



Eliminates "fuse wire" replacement



Easy to resume supply by switching



Saves replacement, time & money



Longer life



Safe to operate



Easy to switch ON/OFF during maintenance

> K-Curve MCB offers effective short circuit protection for submersible pumps

> Available in range: 10A to 125A-3 Pole & 10A to 32A-2 Pole

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Discover the Benefits of **MK.i DOL Starter**



RELIABILITY



PROTECTION



HIGH PERFORMANCE

Equipped with
a Built-in SPPR



External Access
to Emergency Rocker
Switch and Mode Switch



In-built ON
Delay Timer



Thermal Overload Relay
for Overload Protection



Single Phase
Protection



Manual Lock for
OFF Push Button



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MU-GiA / xMU-GiA Multi-Motor Solution

Multi-Motor Controller is an integrated solution enabling operation, control and protection for motor and pump application.

With Add-on Sub-1GHz module, MU-GiA Controller can be connected to the SMARTCOMM IMS.

The xMU-GiA Controller is equipped with an in-built Sub-1GHz module, enabling connectivity to the SMARTCOMM IMS.



xMU-GiA Multi Motor Controller
4-Motor/2-Motor Controller

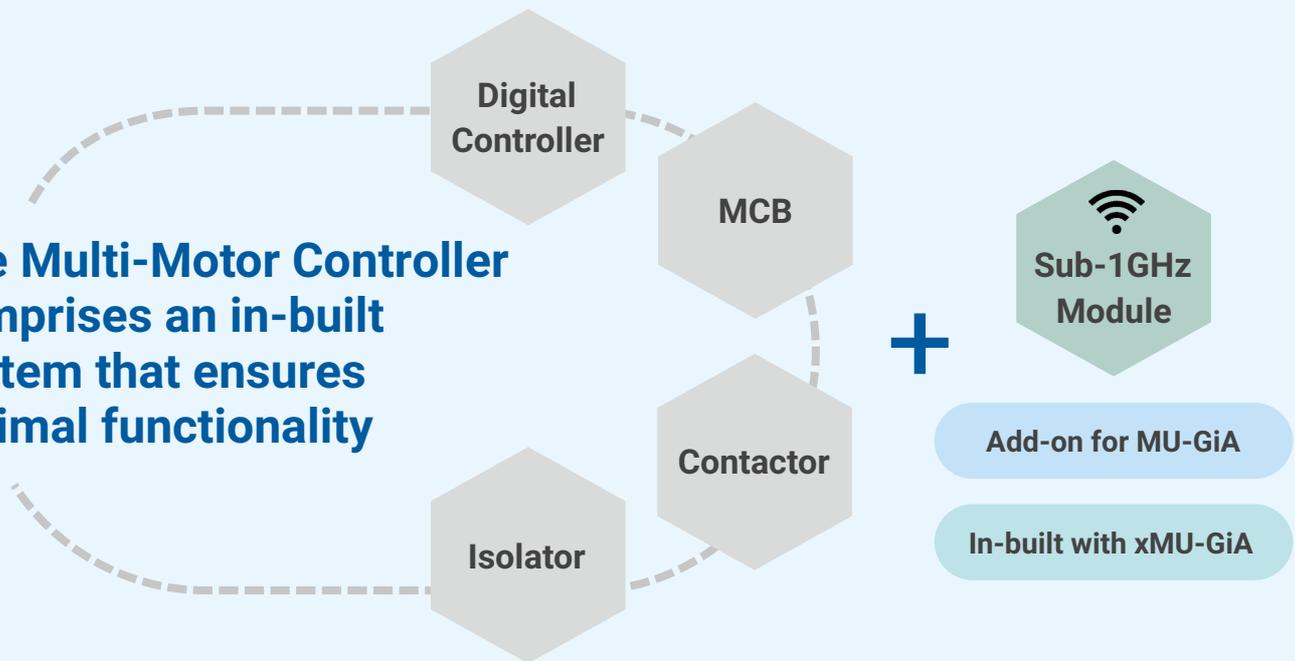


MU-GiA Multi-Motor Controller
4-Motor/2-Motor Controller



MU-GiA Multi-Motor Controller
1-Motor Controller

**The Multi-Motor Controller
comprises an in-built
system that ensures
optimal functionality**



Multi-Motor Controller

Features



Individual Motor Control



Timer for Auto Operation



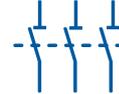
Remote Monitoring and Control with Sub-1GHz Module



Robust Design, suitable for outdoor applications

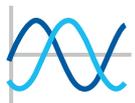


Auto/Manual/Bypass Modes of Operation



Comes with in-built Isolator and K-Curve MCB

Protection from



Phase Failure / Single Phasing



Over Voltage and Under Voltage



Phase Reversal



Overload



Voltage and Current Unbalance



Short Circuit



Interior View of xMU-GiA

Multi-Motor Controller [HSN Code 8536]

Model	Variant	Max. Pump Rating (HP)	Load Current (A)	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
MU-GiA	4-Motor Controller	3	0.7-12	CS92082DOLO	1	Price on Request
MU-GiA	2-Motor Controller	3	0.7-12	CS92083DOLO	1	
MU-GiA	1-Motor Controller*	7.5	1.5-22	CS92084DODO	1	
xMU-GiA	4-Motor Controller Connected	3	0.7-12	CS92073DOLO	1	
xMU-GiA	2-Motor Controller Connected	3	0.7-12	CS92074DOLO	1	

Note: *1-Motor Controller can be used with submersible pumps up to 7.5 HP.
* Dry Run Protection is available in 1-Motor Controller variant.

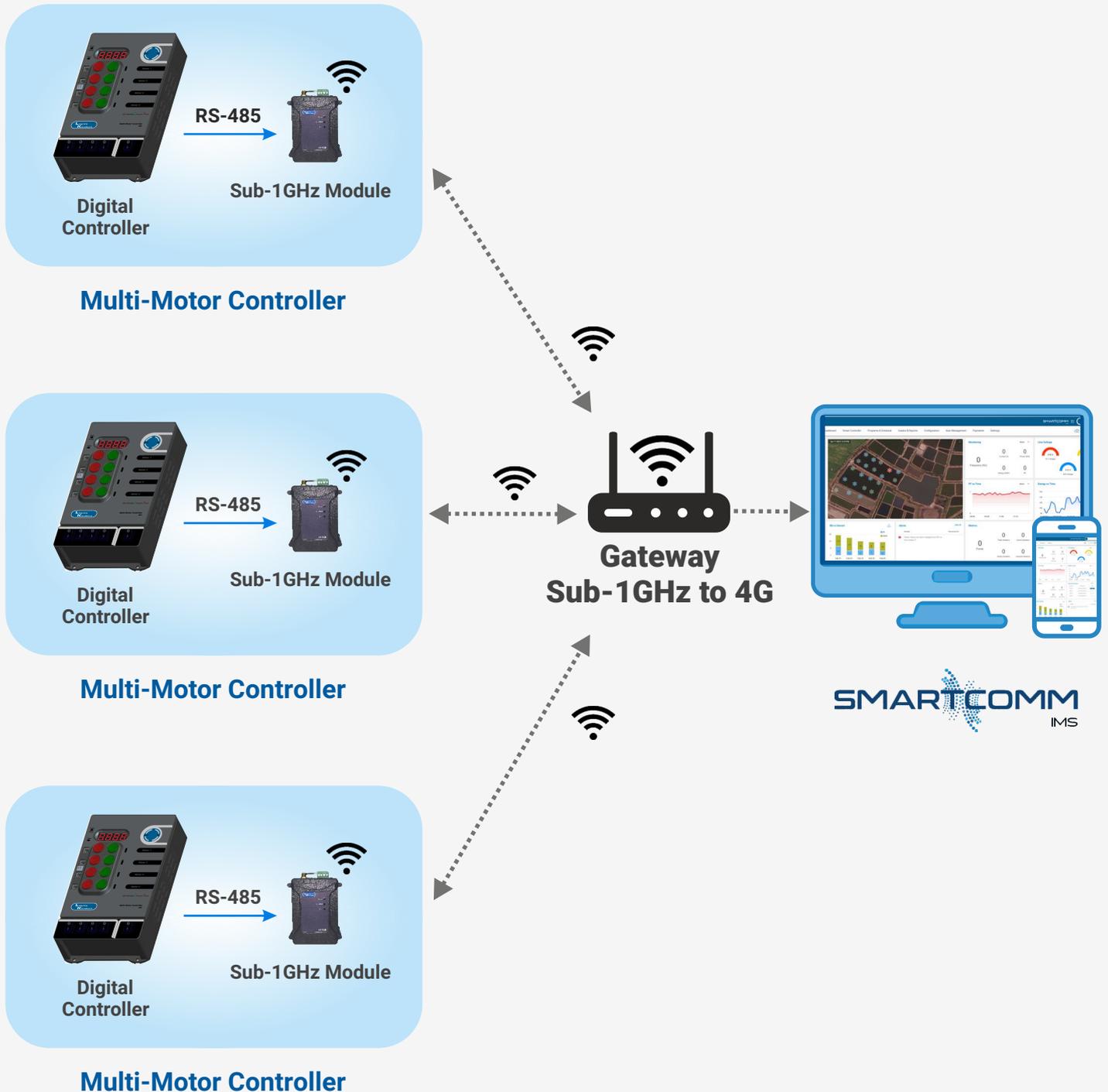
Multi-Motor Spares [HSN Code 8536]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
Sub-1GHz Module	CS922550000	1	Price on Request



Sub-1GHz Module

Communication with Multi-Motor Controller



SMARTCOMM IMS

Navigation: Main Dashboard, Smart Controller, Programs & Schedule, Graphs & Reports, Configuration, User Management, Payments, Settings

User Info: Username: North East, Mumbai, Farms: 2, Active Aerators: 12, Inactive Aerators: 4, Total Controllers: 4

Overview: Grow Green Aqua Farm

- Controller 1
- Controller 2
- Controller 3
- Controller 4
- Farm New Test

Monitoring:

- Current (A): 36.7
- Power (KW): 24.1
- PF: 0.92
- Energy (KWh): 385.6
- Frequency (Hz): 50

Line Voltage:

- R-Y Voltage: 412 V
- Y-B Voltage: 415 V
- B-R Voltage: 410 V

Grid ON Duration (Hrs): Bar chart showing duration from 10:05:25 to 16:05:25.

Alerts:

DEVICE ID	DETAILS	RECEIVED AT
dit-ims-field-trail-device-2	Motor Status has been changed from ON to OFF in Motor 1	Feb 18 2025 04:19 PM
dit-ims-field-trail-device-2	Motor Status has been changed from OFF to ON in Motor 2	Feb 18 2025 04:18 PM
dit-ims-field-trail-device-2	Motor Status has been changed from ON to OFF in Motor 1	Feb 18 2025 04:18 PM
dit-ims-field-trail-device-2	Motor Status has been changed	Feb 18 2025

Metrics:

- Total Aerators: 16
- Active Aerators: 12
- Faulty Aerators: 4
- Inactive Aerators: 3
- Ponds: 4

Upcoming Schedule:

PROGRAM N.	SCHEDULED AT	ACTION
PRGM0004	20-05-2025 13:24	18:51
PRGM0005	21-05-2025 13:24	🔄 ✕
PRGM0006	22-05-2025 13:24	🔄 ✕
PRGM0007	23-05-2025 13:24	🔄 ✕

*These visual representations are for illustrative purposes only.



Remote Monitoring and Control



Overview of Total Farm



Graphs and Reports



Multi-Lingual Support



Mobile and Web Based Application



Alerts and Notifications



Role Based Access Control



Programming and Scheduling

CERTIFIED TO LEAD, TRUSTED FOR GENERATIONS.



BIS-Certified MK1 & MK2 Contactors



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MK1 Starters



MK1 DOL Starters [HSN Code 8536]



Interior View of MK1 DOL

Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.			Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
		Coil Voltage 360V-W (200V - 400V)	Coil Voltage 360V	Coil Voltage 400/440V		
0.25 HP	0.6 - 1			SS96210POKO	10	3292
0.5 HP	1 - 1.6		SS96210COMO	SS96210POMO	10	3292
1 HP	1.5 - 2.5		SS96210COPO	SS96210POPO	10	3292
2 HP	2.5 - 4		SS96210CORO	SS96210PORO	10	3292
4 HP	4 - 6.5	SS96210SOTO	SS96210COTO	SS96210POTO	10	3292
6 HP	6 - 10	SS96210SOVO	SS96210COVO	SS96210POVO	10	3292
7.5 HP	9 - 14	SS96210SOAO	SS96210COAO	SS96210POAO	10	3292
7.5 HP	11 - 18	SS96211SOCO	SS96211COCO	SS96211POCO	10	3381
7.5 HP	13 - 22	SS96228SODO	SS96228CODO	SS96228PODO	10	3467

Note : For Single Phase Starter application, please refer page no. 73.

MK1 SASD Starters [HSN Code 8536]



Interior View of MK1 SASD

Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
		Coil Voltage 360V	Coil Voltage 440V		
6 HP	4 - 6.5	SS96255COTO		1	13230
10 HP	6 - 10	SS96255COVO	SS96255POVO	1	13230
12.5 / 15 HP	9 - 14	SS96255COAO	SS96255POAO	1	13230
15 HP	11 - 18	SS96258COCO	SS96258POCO	1	13340
15 HP	13 - 22	SS96260CODO	SS96260PODO	1	13520

MK1 FASD Starters [HSN Code 8536]

Now with ST100 Timer



Interior View of MK1 FASD

Suitable for Pump/Motor 3Ø, 415V 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
		Coil Voltage 360V	Coil Voltage 440V		
6 HP	4 - 6.5	SS96254COTO	SS96254POTO	1	15660
10 HP	6 - 10	SS96254COVO	SS96254POVO	1	15660
12.5 / 15 HP	9 - 14	SS96254COAO	SS96254POAO	1	15660
15 HP	11 - 18	SS96257COCO	SS96257POCO	1	15840
15 HP	13 - 22	SS96259CODO	SS96259PODO	1	15950

Note : Please refer page no.44 for ST100 Timer

Spares for MK1 Starters

MK1 Spares [HSN Code 8538]



MK1 Spares

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
MK1 Spares	Spare kit with hardware (4 sets of contacts)	CS909830000	50	1290
	New MK1 spare kit (3 sets of contacts)	CS926880000*	50	Price on Request
	Single moving contact	SS910090000	10	130
	Push button unit	SS900040000	1	175
	Arc shield	SS500040000	1	195
	Contact bridge without contact	SS500050000	1	195
	Aux. contact block: 1NO + 1NC	SS901200000	50	460
	Thermal timer without combination coil	SS902240000	1	1070
	MK1 Cover Screw	XS000120000	1000	30

Upcoming

Note : * Upcoming Cat. No.

MK1 Coil [HSN Code 8538]



MK1 Standard Operating Coil

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
MK1 Standard Operating Coil	220V	SS900440000	10	380
	230 / 250V	SS900450000	10	380
	360V	SS901650000	10	380
	400 / 440V	SS900470000	10	380
Wide Band Coil	360V-W (200V - 400V)	SS909930000	10	380

MK1 Contactors [HSN Code 8536]



MK1 Contactor

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
MK1 Contactors	220V	SS95200K000	10	2690
	230 / 250V	SS95200N000	10	2690
	360V	SS95200C000	10	2690
	360V-W (200V - 400V)	SS95200S000	10	2690
	400 / 440V	SS95200P000	10	2690

MK1 Combination Coil [HSN Code 8538]



MK1 Combination Coil

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
MK1 Combination Coil	Combination coils for 400 / 440V	SS904430000	10	820
	Combination coils for 360V	SS904460000	10	820

MK1 Relays [HSN Code 8536]



MK1 Relay

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
MK1 Relays	0.6 - 1A	SS9003500KO	10	1350
	1 - 1.6A	SS9003500MO	10	1350
	1.5 - 2.5A	SS9003500PO	10	1350
	2.5 - 4A	SS9003500RO	10	1350
	4 - 6.5A	SS9003500TO	10	1350
	6 - 10A	SS9003500VO	10	1350
	9 - 14A	SS9003500AO	10	1350
	11 - 18A	SS9003600CO	10	1380
	13 - 22A	SS9188800DO	10	1530



MK2 Starters



MK2 DOL Starters [HSN Code 8536]



Interior View of MK2 DOL

Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.			Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
		Coil Voltage 360V-W (200V - 400V)	Coil Voltage 360V	Coil Voltage 400/440V		
7.5 HP	13 - 22	CS90947SODO	CS90947CODO	CS90947PODO	10	4340
7.5 HP	20 - 32	CS90947SOEO	CS90947COEO	CS90947POEO	10	4340

MK2 SASD Starters [HSN Code 8536]



Interior View of MK2 SASD

Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.			Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
		Coil Voltage 360V-W (200V - 400V)	Coil Voltage 360V	Coil Voltage 400/440V		
15 HP	13 - 22	CS91582SODO	CS91582CODO	CS91582PODO	1	14990
15 HP	20 - 32	CS91582SOEO	CS91582COEO	CS91582POEO	1	14990

Now with ST100 Timer

MK2 FASD Starters [HSN Code 8536]



Interior View of MK2 FASD

Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
		Coil Voltage 360V	Coil Voltage 400/440V		
15 HP	13 - 22	CS91583CODO	CS91583PODO	1	17790
15 HP	20 - 32	CS91583COEO	CS91583POEO	1	17790

Note : Please refer page no.44 for ST100 Timer



Spares for MK2 Starters

Spares for MK2 Starters [HSN Code 8538]



MK2 Spares

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
MK2 Spares	Spare kit with hardware (4 sets of contacts)	CS909560000	50	1890
	New MK2 spare kit (3 sets of contacts)	CS926890000*	50	Price on Request
	Single moving contact	CS909510000	10	190
	Push button unit	SS900040000	1	175
	Arc shield	CS910130000	1	195
	Contact bridge without contact	CS910140000	1	195

Upcoming

Note : * Upcoming Cat. No.

MK1 / MK2 / MK.i Coil [HSN Code 8538]



MK1 / MK2 / MK.i Standard Operating Coil

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
MK1 / MK2 / MK.i Standard Operating Coil	220V	SS900440000	10	380
	230 / 250V	SS900450000	10	380
	360V	SS901650000	10	380
	400 / 440V	SS900470000	10	380
Wide Band Coil	360V-W (200V - 400V)	SS909930000	10	380

MK2 Contactors [HSN Code 8536]



MK2 Contactor

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
MK2 Contactors	360V	CS90945C000	10	3250
	360V-W (200V - 400V)	CS90945S000	10	3250
	400 / 440V	CS90945P000	10	3250

MK2 Relays [HSN Code 8536]



MK2 Relay

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
MK2 Relays	13 - 22A	CS9094600D0	10	1780
	20 - 32A	CS9094600E0	10	1780

MK.i Starters

Features

- › Equipped with a built-in SPPR, hence no need of separate wire connection and mounting of SPPR.
- › It provides voltage single phase protection, phase reversal and phase unbalance protection
- › Overload protection through Thermal Overload Relay
- › Wide Band Coil provides wide voltage range for coil operation
- › Auto/Manual/Bypass mode of operation
- › Benefits of emergency rocker switch and Auto/Manual/Bypass mode toggle switch which can be accessed from outside of the starter box.
- › In-built ON Delay Timer
- › Manual lock for OFF push button



MK.i DOL Starters [HSN Code 8536]



Interior View of MK1.i

Starter Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.			Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
			Coil Voltage 360V-W (200V - 400V)	Coil Voltage 360V	Coil Voltage 400/440V		
MK1.i	4 HP	4-6.5	CS91646SOTO	CS91646COTO	CS91646POTO	10	4390
MK1.i	6 HP	6-10	CS91646SOVO	CS91646COVO	CS91646POVO	10	4390
MK1.i	7.5 HP	9-14	CS91646SOAO	CS91646COAO	CS91646POAO	10	4390
MK1.i	7.5 HP	11-18	CS91646SOCO	CS91646COCO	CS91646POCO	10	4470
MK1.i	7.5 HP	13-22	CS91646SODO	CS91646CODO	CS91646PODO	10	4550
MK2.i	7.5 HP	13-22	CS91647SODO	CS91647CODO	CS91647PODO	10	5150
MK2.i	7.5 HP	20-32	CS91647SOEO	CS91647COEO	CS91647POEO	10	5150

Note : For spare iSz5, please refer page no. 65.

MK1.i Contactors [HSN Code 8536]

MK1.i Contactors	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
	360V	CS92199C000	10	2690
	360V-W (200V - 400V)	CS92199S000	10	2690
	400 / 440V	CS92199P000	10	2690

MK2.i Contactors [HSN Code 8536]

MK2.i Contactors	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
	360V	CS92200C000	10	3250
	360V-W (200V - 400V)	CS92200S000	10	3250
	400 / 440V	CS92200P000	10	3250

Operate your pump remotely with **M-POWER++**



Compatible with
LTE 4G/VoLTE



Operate your
pump through
Missed Call / IVRS / SMS



Regional languages
available for
SMS / IVRS



Compatible with
single phase &
three phase
starters &
controllers
(DOL, SASD & FASD)

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MU / MB Starters



MU / MB DOL Starters [HSN Code 8536]



Interior View of MU DOL

Starter Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
			Coil Voltage 360V	Coil Voltage 415V		
MU1 DOL (with MU relay)	7.5 HP	9 - 14	SS95647COAO	SS95647DOAO	10	5800
	10 HP	13 - 21	SS95647COCO	SS95647DOCO	10	6020
	10 HP	15 - 25	SS95647CODO	SS95647DODO	10	6140
MU1H DOL (with MU relay)	10 HP	15 - 25	CS90622CODO	CS90622DODO	10	6590
	12.5 HP	20 - 32	CS90622COEO	CS90622DOEO	10	6960
MU2 DOL (with MU relay)	12.5 HP	13 - 21	SS95648COCO	SS95648DOCO	10	7670
	15 HP	20 - 32	SS95648COEO	SS95648DOEO	10	8180
	15 HP	24 - 38	SS95648COGO	SS95648DOGO	10	8400
MU3 DOL (with MU relay)	15 HP	24 - 38	CS90613COGO	CS90613DOGO	10	9520
	17.5 HP	28 - 42	CS90613COFO	CS90613DOFO	10	9900
MB1 DOL (with MN relay)	7.5 HP	9 - 15	SS95649COBO	SS95649DOBO	8	7120
	10 HP	14 - 23	SS95649CODO	SS95649DODO	8	7260
MB2 DOL (with MN relay)	12.5 HP	14 - 23	SS95650CODO	SS95650DODO	8	9850
	15 HP	20 - 33	SS95650COEO	SS95650DOEO	8	10300

MU / MB SASD Starters [HSN Code 8536]



Interior View of MU SASD

Starter Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
			Coil Voltage 360V	Coil Voltage 415V		
MU1 SASD (with MU relay)	12.5 HP	9 - 14	SS95891COAO	SS95891DOAO	1	16500
	15 HP	13 - 21	SS95891COCO	SS95891DOCO	1	16760
MU2 SASD (with MU relay)	20 HP	13 - 21	SS95893COCO	SS95893DOCO	1	20890
	30 HP	20 - 32	SS95893COEO	SS95893DOEO	1	21420
MU3 SASD (With MU Relay)	35 HP	24 - 38	CS91885COGO	CS91885DOGO	1	27000
	35 HP	28 - 42	CS91886COFO	CS91886DOFO	1	27260
MB1 SASD (with MN relay)	15 HP	14 - 23	SS95895CODO	SS95895DODO	1	20420
MB2 SASD (with MN relay)	20 HP	14 - 23	SS95897CODO	SS95897DODO	1	24000
	30 HP	20 - 33	SS95897COEO	SS95897DOEO	1	24610

MU / MB FASD Starters [HSN Code 8536]



Interior View of
MU FASD

Starter Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
			Coil Voltage 360V	Coil Voltage 415V		
MU1 FASD (with MU relay)	12.5 HP	9 - 14	SS95890COAO	SS95890DOAO	1	19440
	15 HP	13 - 21	SS95890COCO	SS95890DOCO	1	19650
MU2 FASD (with MU relay)	20 HP	13 - 21	SS95892COCO	SS95892DOCO	1	23500
	30 HP	20 - 32	SS95892COEO	SS95892DOEO	1	24050
MU3 FASD (With MU Relay)	35 HP	24 - 38	CS91887COGO	CS91887DOGO	1	29450
	35 HP	28 - 42	CS91888COFO	CS91888DOFO	1	29680
MB1 FASD (with MN relay)	12.5 HP	9 - 15	SS95894COBO	SS95894DOBO	1	21950
	15 HP	14 - 23	SS95894CODO	SS95894DODO	1	22190
MB2 FASD (with MN relay)	20 HP	14 - 23	SS95896CODO	SS95896DODO	1	27200
	30 HP	20 - 33	SS95896COEO	SS95896DOEO	1	27700

Note : MN relay is with single phase prevention feature.



Spares for MU / MB Starters



MU1 Contactor

MU Contactor [HSN Code 8536]

Component	AC3 Rating	AC1 Rating	Type	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
MU1 Contactor	16A	55A	MU1 360V	CS94007C000	10	4320
			MU1 415V	CS94007D000	10	4320
MU1H Contactor	22A	55A	MU1H 360V	CS90623C000	10	4590
			MU1H 415V	CS90623D000	10	4590
MU2 Contactor	25A	63A	MU2 360V	CS94008C000	10	5990
			MU2 415V	CS94008D000	10	5990
MU3 Contactor	32A	63A	MU3 360V	CS90609C000	10	7070
			MU3 415V	CS90609D000	10	7070



MU1 Relay



MU2 Relay

MU Relay [HSN Code 8536]

Component	Type	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
MU1 Relay	4 - 6.5A	SS9655700TO	1	1700
	6 - 10A	SS9655700VO	1	1700
MU2 Relay	9 - 14A	SS9597900AO	1	1950
	13 - 21A	SS9597900CO	1	2070
	15 - 25A	SS9597900DO	1	2230
	20 - 32A	SS9597900EO	1	2550
	24 - 38A	SS9597900GO	1	2770
	28 - 42A	SS9597900FO	1	2990



MU Contact Bridge



MU ADD-ON Block

MU Contactor Spares [HSN Code 8538]

Type	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
MU1 contact bridge	CS949940000	10	200
MU1H contact bridge	CS910990000	10	200
MU2 contact bridge	CS949940000	10	200
MU3 contact bridge	CS910960000	10	200
MU1 single moving contact	CS949950000	1	270
MU1H single moving contact	CS911020000	1	390
MU2 single moving contact	CS949960000	1	570
MU3 single moving contact	CS911030000	1	750
MU-Add ON Block - 1NO + 1NC (LHS)	SS940720000	10	440
ADD-ON Block MU-A1 (1NC) (Left)	SS940740000	10	340

Spares For MU / MB [HSN Code 8538]



MU Spare Kit



MU Coil



MU Spare Housing



Relay Extension Knob

Component	Type	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
Spare Kit (Including Auxiliary Contact)	MU1	CS940100000	1	2080
	MU1H	CS906240000	1	2570
	MU2	CS940110000	1	3640
	MU3	CS906120000	1	4460
New Spare Kit	MU1	CS926900000*	1	Price on Request
	MU1H	CS926910000*	1	
	MU2	CS926920000*	1	
	MU3	CS926930000*	1	
MU Coils	240V	CS94009B000	10	830
	360V	CS94009C000	10	830
	415V	CS94009D000	10	830
Spare Relay Extension Knob (Pack of 20 Nos.)	MU1	CS943360000	1	190
	MU2	CS943370000	1	190
Spare Housing	MU1	CS949980000	10	410
	MU1H	CS910980000	10	410
	MU2	CS949990000	10	410
	MU3	CS910600000	10	410

Upcoming

Note : * Upcoming Cat. Nos.

Electronic Star-Delta Timer [HSN Code 9107]

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
Electronic Star-Delta Timer type ST100 160 - 500V, for 3 - 30 sec	ST803280000	1	2200

Note : ST100 supplied with mounting kit, suitable for ET100 replacement.



Timer ST100



ML Starters



ML DOL Starters [HSN Code 8536]



Interior View of
ML DOL

Starter Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
			Coil Voltage 360V	Coil Voltage 440V		
ML1.5 DOL	7.5 HP	9 - 14	SS91854COAO	SS91854POAO	1	11660
	12.5 HP	13 - 21	SS91854COCO	SS91854POCO	1	11660
	15 HP	20 - 32	SS91854COEO	SS91854POEO	1	11660
ML2 DOL (Heavy duty)	7.5 HP	9 - 14		SS90702POAO	1	20100
	10/12.5 HP	13 - 21	SS90702COCO	SS90702POCO	1	20100
	20 HP	20 - 32	SS90702COEO	SS90702POEO	1	20100

ML SASD Starters [HSN Code 8536]



Interior View of
ML SASD

Starter Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
			Coil Voltage 360V	Coil Voltage 440V		
ML1.5 SASD	20 HP	13 - 21	SS91856COCO	SS91856POCO	1	29000
	25 HP	20 - 32	SS91856COEO	SS91856POEO	1	29000
ML2 SASD (Heavy duty)	20 HP	13 - 21	SS90707COCO	SS90707POCO	1	51300
	35 HP	20 - 32	SS90707COEO	SS90707POEO	1	51300

ML FASD Starters [HSN Code 8536]



Interior View of
ML FASD

Starter Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
			Coil Voltage 360V	Coil Voltage 440V		
ML1.5 FASD	12.5 HP	9 - 14	SS91855COAO	SS91855POAO	1	33500
	20 HP	13 - 21	SS91855COCO	SS91855POCO	1	33500
	25 HP	20 - 32	SS91855COEO	SS91855POEO	1	33500
ML2 FASD (Heavy duty)	12.5 HP	9 - 14		SS90705POAO	1	54200
	20 HP	13 - 21	SS90705COCO	SS90705POCO	1	54200
	35 HP	20 - 32	SS90705COEO	SS90705POEO	1	54200

Spares for ML Starters



ML1.5 Contactor



ML2W Contactor



Standard Operating Coil ML1.5



Standard Operating Coil ML2 / MI3



Standard Operating Coil ML4 / ML4W



Spare kit

ML Contactor [HSN Code 8536]

Component	Type	AC3 Rating (A)	AC1 Rating (A)	Aux. Contacts	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
ML Contactor	ML1.5	25	25	2 NO + 2 NC	SS91851C000	1	6520
	ML2W	32	40	2 NO + 2 NC	CS96005L000	1	12330
	ML3W	40	45	2 NO + 2 NC	CS90907L000	1	18480
	ML4W	70	100	2 NO + 2 NC	CS96006L000	1	30240
	ML6W	110	125	2 NO + 2 NC	CS90168L000	1	48800

ML Coil [HSN Code 8538]

Component	Voltage	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
Standard Operating Coils for ML1.5	240V	SS90873B000	10	1280
	360V	SS90873C000	10	1280
	380V	SS90873L000	10	1280
	440V	SS90873P000	10	1280

Standard Operating Coils for ML2/ML2W/ML3/ML3W Contactor	240V	SS90545B000	10	2365
	360V	SS90545C000	10	2365
	380V	SS90545L000	10	2365
	440V	SS90545P000	10	2365

Standard Operating Coils for ML4/ML4W Contactor	240V	SS91258B000	10	4630
	360V	SS91258C000	10	4630
	380V	SS91258L000	10	4630
	440V	SS91258P000	10	4630

ML1.5 [HSN Code 8538]

Spare kit without coil	ML1.5	SS953050000	50	3300
Moving contacts kit	ML1.5	SS928170000	10	1130
Front Housing & Moving Bridge kit	ML1.5	ST287340000	10	1225

ML2 [HSN Code 8538]

Spare kit without coil	ML2	SS953070000	10	6035
Moving contacts kit	ML2	SS928180000	10	1770
Front Housing & Moving Bridge kit	ML2	ST238660000	10	1675

ML Relay [HSN Code 8536]



ML1 Relay



ML2 / ML3 Relay

Type of Mounting (Operation)	Relay Range (A)	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
(Directly Operated) Direct Mounting	ML1			
	4 - 6.5	SS9185800TO	10	4510
	6 - 10	SS9185800VO	10	4510
	10 - 16	SS9185800BO	10	4510
(Directly Operated) Direct Mounting	ML2 / ML3			
	9 - 14	SS9185900AO	2	6670
	13 - 21	SS9185900CO	2	6670
	20 - 32	SS9185900EO	2	6670
	28 - 42	SS9185900FO	2	6670



MN / ML Starters

MN / ML DOL Starters [HSN Code 8536]

in Sheet-Steel Enclosure Type MN / ML
(Motor Rating AC-3 Duty, 415V, 50Hz, 3-Ph)



MN 16



ML 3

Max. Motor Output at 415V, 3-Ph		Relay\Max. Range (A)	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
HP	kW					
10	7.5	9 - 15	MN 16 DOL	SS94351	1	6600
15	11	14 - 23	MN 25 DOL	SS94352	1	10070
20	15	20 - 33	MN 32 DOL	SS94353	1	16200
30	22.5	30 - 50	MN 45 DOL	SS94017	1	27700
45	33.5	45 - 75	MN 65 DOL	SS94018	1	38000
30	22.5	28 - 42	ML 3 DOL	SS90722	1	35800

MN / ML FASD Starters [HSN Code 8536]

in Sheet-Steel Enclosure Type MN / ML
(Motor Rating AC-3 Duty, 415V, 50Hz, 3-Ph)

Max. Motor Output at 415V, 3-Ph		Relay\Max. Range (A)	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
HP	kW					
17.5	13	9 - 15	MN 16 FASD	SS94362	1	22200
30	22.5	14 - 23	MN 25 FASD	SS94364	1	24800
40	30	20 - 33	MN 32 FASD	SS94366	1	40800
50	37.5	30 - 50	MN 45 FASD	SS94021	1	65500
75	55	45 - 75	MN 65 FASD	SS94022	1	108700
90	67.5	45 - 75	MN 80 FASD	SS94705	1	118700
150	110	66 - 110	MN 110 FASD	SS94706	1	155500
180	132	90 - 150	MN 140 FASD	SS94707	1	169800
50	37.5	28 - 42	ML3 FASD	SS90730	1	86300
75	55	45 - 75	ML4 FASD	SS90913	1	147800
125	90	66 - 110	ML6 FASD	SS90923	1	242500

Ordering Suffix for ML & MN Starters

Coil Voltages	Relay Range (A)	
	ML	MN
B - 240 V	A : 9 - 14	B : 9 - 15
C - 360 V	B : 10 - 16	D : 14 - 23
D - 415 V	C : 13 - 21	E : 20 - 33
P - 440 V	E : 20 - 32	G : 30 - 50
	F : 28 - 42	J : 45 - 75
	G : 30 - 50	K : 66 - 110
	J : 45 - 75	Q : 2 - 3.3
	K : 66 - 110	S : 3 - 5
	M : 90 - 150	T : 36 - 60
	P : 135 - 225	U : 4.5 - 7.5
	Q : 180 - 310	V : 6 - 10
	R : 2.5 - 4	M : 90 - 150
	T : 13 - 21	

Spares for MN Starters [HSN Code 8538]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
Bracket for Mounting cont. MNX 25 - 32	SS940300000	20	215
MN DOL/FASD Push Button	SS939410000	10	370

Timers

Electronic Timers Type ST100 [HSN Code 9107]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
240 / 360 / 415V, 50Hz for			
12 - 120 secs.	ST803290000	1	2200

Note:

ST 100 supplied with Mounting Kit, suitable for ET 100 replacement.
For Complete range of Timing Devices, please refer the Panel Accessories Price List.

Operate your pump from anywhere at anytime

M-POWER Pro



- » With timer operations
- » Easy three wire connection



EASE OF OPERATION

Ease and convenience in operating pump from anywhere, anytime through SMS, IVRS and

SMARTCOMM App



EASE IN MONITORING

Easily check key parameters such as pump status(ON/OFF), metering, etc from the convenience of the SMARTCOMM app



CONVENIENCE IN USAGE

The same device can be used with both 3-Phase DOL and Star - Delta starters, eliminating the need for any additional device



SELECTIVE PROTECTION

Easily enable or disable individual protection features based on your needs. Customise voltage and current settings to suit your specific requirements



COMPLETE PROTECTION

Offers dry run protection with dry run reset and protection from OV, UV, Phase Loss, Phase Reversal & Phase unbalance

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Now available with emergency OFF rocker switch

MU-Automatic DOL Starter [HSN Code 8536]



Interior View of MU-A DOL

Starter Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
			Coil Voltage 360V	Coil Voltage 415V		
MU-1A DOL (with Sz5 SPPR)	3 HP	4 - 6.5	CS90898COTO	CS90898DOTO	1	8420
	5 HP	6 - 10	CS90898COVO	CS90898DOVO	1	8420
	7.5 HP	9 - 14	CS90898COAO	CS90898DOAO	1	8570
	10 HP	13 - 21	CS90898COCO	CS90898DOCOCO	1	8730
	10 HP	15 - 25	CS90898CODO	CS90898DODO	1	8890
MU-1HA DOL (with Sz5 SPPR)	10 HP	15 - 25	CS90899CODO	CS90899DODO	1	9240
	12.5 HP	20 - 32	CS90899COEO	CS90899DOEO	1	9500
MU-2A DOL (with Sz5 SPPR)	12.5 HP	13 - 21	CS90900COCO		1	10430
	15 HP	20 - 32	CS90900COEO	CS90900DOEO	1	10830
	15 HP	24 - 38	CS90900COGO	CS90900DOGO	1	11000
MU-3A DOL (with Sz5 SPPR)	15 HP	24 - 38	CS90901COGO	CS90901DOGO	1	11460
	17.5 HP	28 - 42	CS90901COFO	CS90901DOFO	1	11730



MU-M DOL Starters

- › In-built with M-POWER Pro, no extra wiring needed - easy installation
- › Operate and monitor your pump via SMS, IVRS, Call, or **SMARTCOMM** App
- › Offers protection from phase loss, voltage imbalance, phase reversal, over voltage, under voltage and dry run fault with individual protection Enable/Disable feature
- › Auto/Manual/Bypass mode of operation
- › Up to 4 users along with 1 master can be connected for controlling your pump operation



Available with in-built
M-POWER Pro

NEW

MU-M DOL Starter [HSN Code 8536]

Suitable Region	IVRS Languages	Starter Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
					Coil Voltage 360V	Coil Voltage 415V		
South	English, Hindi, Kannada, Telugu, Tamil	MU-1M	3 HP	4-6.5	CS92215COTO	CS92215DOTO	1	24700
			5 HP	6-10	CS92215COVO	CS92215DOVO	1	24700
			7.5 HP	9-14	CS92215COAO	CS92215DOAO	1	24700
			10 HP	13-21	CS92215COCO	CS92215DOCOCO	1	24700
			10 HP	15-25	CS92215CODO	CS92215DODO	1	24700
		MU-1HM	12.5 HP	15-25	CS92216CODO	CS92216DODO	1	24950
			12.5 HP	20-32	CS92216COEO	CS92216DOEO	1	24950
		MU-2M	12.5 HP	13-21	CS92217COCO		1	26400
			15 HP	20-32	CS92217COEO	CS92217DOEO	1	26400
			15 HP	24-38	CS92217COGO	CS92217DOGO	1	26400
		MU-3M	17.5 HP	24-38	CS92218COGO	CS92218DOGO	1	27800
			20 HP	28-42	CS92218COFO	CS92218DOFO	1	27800

Note: North & West and East Region CAT Nos. are upcoming

Upcoming

MU-AS Starter [HSN Code 8536]

Starter Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)
			Coil Voltage 360V	Coil Voltage 415V	
MU-1AS	3 HP	4-6.5	CS92201COTO	CS92201DOTO	1
	5 HP	6-10	CS92201COVO	CS92201DOVO	1
	7.5 HP	9-14	CS92201COAO	CS92201DOAO	1
	10 HP	11-18	CS92201COCO	CS92201DOCOCO	1
	10 HP	13-22	CS92201CODO	CS92201DODO	1
MU-2AS	12.5 HP	13-22	CS92202CODO	CS92202DODO	1
	15 HP	20-32	CS92202COEO	CS92202DOEO	1

MF1 Three Phase Starters



Interior View of MF1 DOL - 3Ø Starter

MF1 Three Phase Starters [HSN Code 8536]

Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
0.125 HP	0.4 - 0.65	SS9721000HO	1	3450
0.25 HP	0.6 - 1	SS9721000KO	1	3450
0.5 HP	1 - 1.6	SS9721000MO	1	3450
1.25 HP	1.5 - 2.5	SS9721000PO	1	3450
2 HP	2.5 - 4	SS9721000RO	1	3450
4 HP	4 - 6.5	SS9721000TO	1	3450
6 HP	6 - 10	SS9721000VO	1	3450
7.5 HP	9 - 15	SS9721000BO	1	3450
7.5 HP	11 - 18	SS9721000CO	1	3450

Note: These are make-to-order products and are subject to availability. Please contact the nearest sales office for order queries and further details.





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3P, 415 VAC



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MD Starter+



MD Starter+ DOL [HSN CODE 8536]

Starter Type	Suitable for Pump/ Motor (3Ø, 415V, 50Hz)	i-PROTECTOR	Relay Range (A)	Cat. No.		Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
				Coil Voltage 360 V	Coil Voltage 415 V		
MD1-iU	5 HP	i-ADSM	6-10		CS91753DOVO	1	11920
MD1-iU	7.5 HP	i-ADSM	9-14	CS91753COAO	CS91753DOAO	1	11920
MD1-iU	10 HP	i-ADSM	13-21	CS91753COCO	CS91753DOCO	1	12000
MD1-iU	10 HP	i-ADSM	15-25	CS91753CODO	CS91753DODO	1	12120
MD1H-iU	12.5 HP	i-ADSM	13-21	CS91754COCO	CS91754DOCO	1	12240
MD1H-iU	12.5 HP	i-ADSM	15-25	CS91754CODO	CS91754DODO	1	12390
MD1H-iU	12.5 HP	i-ADSM	20-32	CS91754COEO	CS91754DOEO	1	12570
MD2-iU	12.5 HP	i-ADSM	13-21	CS91755COCO	CS91755DOCO	1	13420
MD2-iU	12.5 HP	i-ADSM	15-25	CS91755CODO	CS91755DODO	1	13540
MD2-iU	15 HP	i-ADSM	20-32	CS91755COEO	CS91755DOEO	1	13690
MD2-iU	15 HP	i-ADSM	24-38	CS91755COGO	CS91755DOGO	1	13810
MD3-iU	17.5 HP	i-ADSM	20-32	CS91756COEO	CS91756DOEO	1	14310
MD3-iU	17.5 HP	i-ADSM	24-38	CS91756COGO	CS91756DOGO	1	14400
MD3-iU	20 HP	i-ADSM	28-42	CS91756COFO	CS91756DOFO	1	14500
MD1-iU	7.5 HP	i-VDSM	9-14	CS91757COAO	CS91757DOAO	1	11920
MD1-iU	10 HP	i-VDSM	13-21	CS91757COCO	CS91757DOCO	1	12000
MD1-iU	10 HP	i-VDSM	15-25	CS91757CODO	CS91757DODO	1	12120
MD1H-iU	12.5 HP	i-VDSM	13-21	CS91758COCO	CS91758DOCO	1	12240
MD1H-iU	12.5 HP	i-VDSM	15-25	CS91758CODO	CS91758DODO	1	12390
MD1H-iU	12.5 HP	i-VDSM	20-32	CS91758COEO	CS91758DOEO	1	12570
MD2-iU	12.5 HP	i-VDSM	13-21	CS91759COCO	CS91759DOCO	1	13420
MD2-iU	12.5 HP	i-VDSM	15-25	CS91759CODO	CS91759DODO	1	13540
MD2-iU	15 HP	i-VDSM	20-32	CS91759COEO	CS91759DOEO	1	13690
MD2-iU	15 HP	i-VDSM	24-38	CS91759COGO	CS91759DOGO	1	13810
MD3-iU	17.5 HP	i-VDSM	20-32	CS91760COEO	CS91760DOEO	1	14310
MD3-iU	17.5 HP	i-VDSM	24-38	CS91760COGO	CS91760DOGO	1	14400
MD3-iU	20 HP	i-VDSM	28-42	CS91760COFO	CS91760DOFO	1	14500



Interior View of MD Starter+ DOL Starter

MD Starter+ FASD [HSN CODE 8536]

Starter Type	Suitable for Pump/ Motor (3Ø, 415V, 50Hz)	i-PROTECTOR	Relay Range (A)	Cat. No.		Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
				Coil Voltage 360 V	Coil Voltage 415 V		
MD1-iU	10 HP	i-ADSM	6-10		CS91778DOVO	1	23250
MD1-iU	15 HP	i-ADSM	9-14	CS91778COAO	CS91778DOAO	1	23250
MD1-iU	20 HP	i-ADSM	13-21	CS91778COCO	CS91778DOCO	1	23490
MD1H-iU	25 HP	i-ADSM	15-25	CS91779COEO	CS91779DOEO	1	24550
MD2-iU	20 HP	i-ADSM	13-21	CS91780COCO	CS91780DOCO	1	28640
MD2-iU	25 HP	i-ADSM	15-25	CS91780CODO	CS91780DODO	1	28880
MD2-iU	30 HP	i-ADSM	20-32	CS91780COEO	CS91780DOEO	1	29230
MD2-iU	30 HP	i-ADSM	28-42	CS91780COFO	CS91780DOFO	1	29880
MD3-iU	30 HP	i-ADSM	20-32	CS91781COEO	CS91781DOEO	1	33970
MD3-iU	30 HP	i-ADSM	24-38	CS91781COGO	CS91781DOGO	1	34340
MD3-iU	30 HP	i-ADSM	28-42	CS91781COFO	CS91781DOFO	1	34580
MD1-iU	15 HP	i-VDSM	9-14	CS91768COAO	CS91768DOAO	1	23250
MD1-iU	20 HP	i-VDSM	13-21	CS91768COCO	CS91768DOCO	1	23490
MD1H-iU	25 HP	i-VDSM	15-25	CS91782COEO	CS91782DOEO	1	24550
MD2-iU	20 HP	i-VDSM	13-21	CS91783COCO	CS91783DOCO	1	28640
MD2-iU	25 HP	i-VDSM	15-25	CS91783CODO	CS91783DODO	1	28880
MD2-iU	30 HP	i-VDSM	20-32	CS91783COEO	CS91783DOEO	1	29230
MD2-iU	30 HP	i-VDSM	28-42	CS91783COFO	CS91783DOFO	1	29880
MD3-iU	30 HP	i-VDSM	20-32	CS91784COEO	CS91784DOEO	1	33970
MD3-iU	30 HP	i-VDSM	24-38	CS91784COGO	CS91784DOGO	1	34340
MD3-iU	30 HP	i-VDSM	28-42	CS91784COFO	CS91784DOFO	1	34580





Electrical & Automation

MU-GS SMART CONTROLLER

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MU-G6 / 7.5 / 10 Three Phase Submersible Pump Controllers (With Single Phase Preventer)



MU-G6 DOL (With Wideband Coil) [HSN Code 8536]



Interior View of MU-G6 DOL

Type	Maximum Submersible Pump Rating at 3Ø, 415V, 50Hz	Relay Range (A)	Coil Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
MU-G6 DOL	3 HP	4 - 6.5	360V-W (200V-400V)	SS97756COTO	1	10450
	5 HP	6 - 10	360V-W (200V-400V)	SS97756COVO	1	10450
	6 HP	9 - 14	360V-W (200V-400V)	SS97756COAO	1	10450

MU-G7.5 DOL (With Wideband Coil) [HSN Code 8536]



Interior View of MU-G7.5 DOL

Type	Maximum Submersible Pump Rating at 3Ø, 415V, 50Hz		Relay Range (A)	Coil Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
	HP	KW					
MU-G7.5 DOL	7.5	5.5	13 - 22	360V-W (200V - 400V)	CS92103SODO	1	11150
	7.5	5.5	20 - 32	360V-W (200V - 400V)	CS92103SOEO	1	11150

MU-G10 DOL (With Wideband Coil) [HSN Code 8536]



Interior View of MU-G10 DOL

Type	Maximum Submersible Pump Rating at 3Ø, 415V, 50Hz		Relay Range (A)	Cat. No.		Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
	HP	KW		Coil Voltage 360V	Coil Voltage 415V		
MU-G10 DOL	3	2.2	4 - 6.5	SS95983COTO	SS95983DOTO	1	12200
	5	3.7	6 - 10	SS95983COVO	SS95983DOVO	1	12200
	6	4.5	9 - 14	SS95983COAO	SS95983DOAO	1	12340
	7.5/10	5.5/7.5	13 - 21	SS95983COCO	SS95983DOCOCO	1	12580
MU-G10HN DOL	10	7.5	15 - 25	CS92102CODO	CS92102DODO	1	12790
	10	7.5	20 - 32	CS92102COEO	CS92102DOEO	1	13020
MU-G10H DOL (Heavy duty)	10	7.5	20 - 32	SS95974COEO	SS95974DOEO	1	14220
	10	7.5	28 - 42	SS95974COFO	SS95974DOFO	1	14570

MU-G15 / 17.5 / 20 / 25 Three Phase Submersible Pump Controllers (With Single Phase Preventer)



MU-G15 FASD (With Wideband Coil) [HSN Code 8536]



Interior View of MU-G15 FASD

Type	Maximum Submersible Pump Rating at 3Ø, 415V, 50Hz		Relay Range (A)	Cat. No. Coil Voltage 360V-W (200V - 400V)	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
	HP	KW				
MU-G15 FASD	7.5	5.5	6 - 10	CS94091SOVO	1	20300
	10	7.5	9 - 14	CS94091SOAO	1	20300
	15	11	11 - 18	CS94091SOCO	1	20500
	15	11	13 - 22	CS94091SODO	1	20590

MU-G17.5 FASD (With Wideband Coil) [HSN Code 8536]



Interior View of MU-G17.5 FASD

Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No. Coil Voltage 360V-W (200V - 400V)	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
	HP				
MU-G17.5 FASD	17.5	13 - 22	CS91880SODO	1	22500
	17.5	20 - 32	CS91880SOEO	1	22500

MU-G20 FASD (With Wideband Coil) [HSN Code 8536]



Interior View of MU-G20 FASD

Type	Maximum Submersible Pump Rating at 3Ø, 415V, 50Hz		Relay Range (A)	Cat. No.		Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
	HP	KW		Coil Voltage 360V	Coil Voltage 415V		
MU-G20 FASD	10	7.5	9 - 14	SS95984COAO	SS95984DOAO	1	23990
	15/20	11/15	13 - 21	SS95984COCO	SS95984DOCO	1	24150
MU-G20HN FASD	20	15	15 - 25	CS92101CODO	CS92101DODO	1	25230
	20	15	20 - 32	CS92101COEO	CS92101DOEO	1	25570
MU-G20H FASD (Heavy duty)	20	15	20 - 32	SS95975COEO	SS95975DOEO	1	29800
	20	15	28 - 42	SS95975COFO	SS95975DOFO	1	30450

MU-G25 FASD (With Wideband Coil) [HSN Code 8536]



Interior View of
MU-G25 FASD

Type	Maximum Submersible Pump Rating at 3Ø, 415V, 50Hz HP	Relay Range (A)	Cat. No.		Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
			Coil Voltage 360V	Coil Voltage 415V		
MU-G25 FASD	25	24 - 38	CS91969COGO	CS91969DOGO	1	36450
	25	28 - 42	CS91969COFO	CS91969DOFO	1	36780



MU-G30 / 40 / 50 / 75 Three Phase Submersible Pump Controllers (With Single Phase Preventer)



With ML Contactor & MN5 Relay

MU-G30 FASD (With Wideband Coil) [HSN Code 8536]



Interior View of MU-G30 FASD

Type	Maximum Submersible Pump Rating at 3Ø, 415V, 50Hz	Relay Range (A)	Coil Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
MU-G30 FASD	20 HP	20 - 33	380V	CS96008COEO	1	46900
	30 HP	30 - 50	380V	CS96008COGO	1	48000

MU-G40 FASD (With Wideband Coil) [HSN Code 8536]



Interior View of MU-G40 FASD

Type	Maximum Submersible Pump Rating at 3Ø, 415V, 50Hz	Relay Range (A)	Coil Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
MU-G40 FASD	30 HP	30 - 50	380V	CS90908LOGO	1	56700
	40 HP	36 - 60	380V	CS90908LOTO	1	57600

MU-G50 FASD (With Wideband Coil) [HSN Code 8536]



Interior View of MU-G50 FASD

Type	Maximum Submersible Pump Rating at 3Ø, 415V, 50Hz	Relay Range (A)	Coil Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
MU-G50 FASD	30 HP	30 - 50	380V	CS96009COGO	1	75700
	50 HP	45 - 75	380V	CS96009COJO	1	78000

MU-G75 FASD (With Wideband Coil) [HSN Code 8536]



Interior View of MU-G75 FASD

Type	Maximum Submersible Pump Rating at 3Ø, 415V, 50Hz	Relay Range (A)	Coil Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
MU-G75 FASD	50 HP	45 - 75	380V	CS96451LOJO	1	108000
	75 HP	66 - 110	380V	CS96451LOKO	1	108000

MU-G10W / 20W / 30W Three Phase Submersible Controllers (With WLC & SPPR)



MU-G10W DOL (With Wideband Coil) [HSN Code 8536]

Type	Maximum Submersible Pump Rating at 3Ø, 415V, 50Hz		Relay Range (A)	Cat. No.		Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
	HP	KW		Coil Voltage 360V	Coil Voltage 415V		
MU-G10W DOL with in-built WLC	3	2.2	4 - 6.5	CS91037COTO	CS91037DOTO	1	18280
	5	3.7	6 - 10	CS91037COVO	CS91037DOVO	1	18280
	7.5	5.5	9 - 14	CS91037COAO	CS91037DOAO	1	18280
MU-G10W DOL (Heavy duty) with in-built WLC	10	7.5	13 - 21	CS91037COCO	CS91037DOCO	1	18280
	10	7.5	20 - 32		CS91037DOEO	1	20640
	10	7.5	28 - 42	CS91037COFO		1	20640

MU-G20W FASD (With Wideband Coil) [HSN Code 8536]

Type	Maximum Submersible Pump Rating at 3Ø, 415V, 50Hz		Relay Range (A)	Cat. No.		Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
	HP	KW		Coil Voltage 360V	Coil Voltage 415V		
MU-G20W FASD with in-built WLC	15	11	9 - 14		CS91038DOAO	1	31220
	20	15	13 - 21	CS91038COCO	CS91038DOCO	1	31220
MU-G20W FASD (Heavy duty) with in-built WLC	20	15	20 - 32	CS91038COEO	CS91038DOEO	1	37330
	20	15	28 - 42		CS91038DOFO	1	37330

MU-G30W FASD (With Wideband Coil) [HSN Code 8536]

Type	Maximum Submersible Pump Rating at 3Ø, 415V, 50Hz	Relay Range (A)	Coil Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
MU-G30W FASD with in-built WLC	30 HP	30 - 50	380V	CS91039COGO	1	57400

Spares for MU-G Submersible Pump Controllers



Terminal Block
60A-3 Way

Terminal Block
30A-5 Way



Terminal Block
100A-3 Way

Terminal Block [HSN Code 8538]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P ₹ Per Unit
Terminal Block 30A - 5 way (For MR-G2)	CS960320000	1	300
Terminal Block 30A - 3 way (For MU-G6)	XM807500000	1	260
Terminal Block 60A - 3 way (For MU-G10/20)	CS948060000	1	270
Terminal Block 100A - 3 way (For MU-G30/50)	CS943380000	1	1440
Terminal Block 125A - 3 way (For MU-G75)	CS901720000	1	5260



Spare Lamp



Indicating Lamp
Red & Green



Rocker Switch

Indicating lamp [HSN Code 8531]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P ₹ Per Unit
Indicating lamp Red 415V	CS94810D000	1	370
Indicating lamp Green 415V	CS94812D000	1	370
Spare Lamp, MR-G Controller	CS961260000	1	110

Rocker switch [HSN Code 8538]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P ₹ Per Unit
Rocker switch (For MU-G6 to MU-G20)	CS902840000	1	115
Rocker switch (For MU-G30 to MU-G75)	CS902720000	1	190
Voltage selector switch	CS943350000	1	550



Ammeter



Volt-Ammeter

Volt-Ammeter [HSN Code 9030]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P ₹ Per Unit
Volt-Ammeter 500V, 30A (Screw Type)	CS94817EOEO	1	1810
Volt-Ammeter 500V, 30A (Nut-Bolt Type)	CS92180EOEO	1	1850
Volt-Ammeter 500V, 60A	CS94817EOTO	1	1870
Volt-Ammeter 500V, 0-75A	CS900550000	1	1870
Volt-Ammeter 500V, 0-100A	CS900560000	1	1870
Volt-Ammeter 500V, 0-125A	CS900570000	1	1870
30A Ammeter Spare for MR-G Controller	CS960260000	1	800
Volt-Ammeter (30A, 300V AC) for MR-G Controller	CS960280000	1	1380

SPPR [HSN Code 9032]

With Settable Time
ON Delay 30sec - 5min



SPPR Type Sz5 (7 Wire & 6 Wire)

With Settable Time
ON Delay 30sec - 5min



SPPR Type SDz5

SPPR Type	Modes of Operation			Timer
	Auto	Manual	Bypass	
Sz5	✓	✓	✓	
SDz5	✓	✓	✓	✓

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P ₹ Per Unit
SPPR type Sz5 (7 Wire), 380V	ST921660000	1	1100
SPPR type Sz5 (6 Wire), 360V (For MU-G10/10H)	CS94824C000	1	1100
SPPR type Sz5 (6 Wire), 380V (For MU-G6)	CS94824L000	1	1100
SPPR type Sz5 (6 Wire), 415V (For MU-G10/10H)	CS94824D000	1	1100
SPPR type SDz5, 360V (For MU-G20/20H)	XM818080000	1	2060
SPPR type SDz5, 380V (For MU-G30/40/50/75)	XM818070000	1	2060
SPPR type SDz5, 415V (For MU-G15/20/20H)	XM818090000	1	2060
SPPR type Sz5 (6 long wire), 360V (FOR MU-G10/10H)	CS94855C000	1	1220
SPPR type Sz5 (6 long wire), 415V (FOR MU-G10/10H)	CS94855D000	1	1220
New SPPR type iSz5 (5 wire), 380V (FOR MK1.i/MK2.i - 360V-W Coil)	CS92197L000	1	1150
New SPPR type iSz5 (5 wire), 415V (FOR MK1.i/MK2.i - 400/440V Coil)	CS92197P000	1	1150
New SPPR type iSz5 (5 wire), 360V (FOR MK1.i/MK2.i - 360V Coil)	CS92197C000	1	1150

ON-OFF Plugs & Extension Kit [HSN Code 8538]



Spare
ON-OFF plug

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P ₹ Per Unit
Spare plug MU-G6 (Bulk of 10)	ST155910000	1	165
Spare plug MU-10 (Bulk of 10)	ST155920000	1	180
Spare plug MU-15 (Bulk of 10)	ST155930000	1	195
Spare plug MU-20 (Bulk of 10)	ST155940000	1	200
Spare plug MU-30 (Bulk of 10)	ST155950000	1	205
Spare plug MU-50 (Bulk of 10)	ST155960000	1	210
Spare plug MU-75 (Bulk of 10)	ST155970000	1	210
Red & Green, Relay Extension Button Kit (For MN 2/5 Relay)	SS949680000	100	80

MN Relay & ML Spares

Spare MN Relay [HSN Code 8536]



MN 2



MN 5

Type of Mounting (Operation)	Relay Range (A)	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
MN 2				
(Directly Operated)	6 - 10	SS9414200VO	10	2090
	9 - 15	SS9414200BO	10	2170
Direct Mounting	14 - 23	SS9414400DO	10	2300
	20 - 33	SS9414500EO	10	3470

MN 5				
(Directly Operated)	20 - 33	SS9413600EO	10	4290
	30 - 50	SS9413600GO	10	5380
Direct Mounting	36 - 60	SS9413600TO	10	5780
	45 - 75	SS9413700JO	10	6270
	66 - 110	SS9413700KO	10	7140

ML Spares [HSN Code 8538]

Type	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
Spare Kit ML3	SS953090000	10	10660
Spare Kit ML4	SS953110000	10	15805
Spare Kit ML6	SS953130000	10	29240
Front Housing & Bridge Assembly Kit ML3	ST238660000	1	1675
Front Housing & Bridge Assembly Kit ML4/6	ST287350000	1	3035

MU-GS SMART Controllers

Features

- › In-built Theft protection, gives emergency alert to your mobile when someone steals your pump, cable or controller
- › With Dry Run, Locked Rotor and Short Circuit protection (In-built MCB with K-Curve & MCCB)
- › Voltage and current based protection for all faults with individual protection Enable/Disable feature
- › In-built hour based and Real Time Clock based timers with time compensation feature
- › With Line Voltage, Phase Current, Power Factor, Power, Energy metering and total run time information for your pump
- › Complete operation (Remote ON/OFF, parameter setting, monitoring and troubleshooting) through SMS or SMARTCOMM App or IVRS
- › Available in Hindi, Gujarati, Marathi, Tamil, Telugu, Kannada, Malayalam, Bengali, Oriya, Punjabi and English languages with different language selection for individual users
- › Microcontroller based technology
- › Easy installation with factory fitted complete wiring and terminal block, need to connect only the supply and motor wires

With in-built short-circuit protection device



SMARTCOMM Agri Connect

MU-G6S SMART Controller DOL [HSN Code 8536]



Interior View of MU-G6S

Suitable Region	IVRS Languages	Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
					Coil Voltage 360V-W (200V-400V)	Coil Voltage 400/440V		
South	English, Hindi, Kannada, Telugu, Tamil	MU-G6S	6 HP	4 - 22	CS91206CSDO	CS91206PSDO	1	24550
North	English, Hindi, Marathi, Gujarati, Punjabi	MU-G6S	6 HP	4 - 22	CS91206CND0	CS91206PNDO	1	24550
East	English, Hindi, Odia, Assamese, Bengali	MU-G6S	6 HP	4 - 22	CS91206CEDO	CS91206PEDO	1	24550

MU-G10S & MU-G10HS SMART Controller DOL [HSN Code 8536]



Interior View of MU-G10S

Suitable Region	IVRS Languages	Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
					Coil Voltage 360V	Coil Voltage 415V		
South	English, Hindi, Kannada, Telugu, Tamil	MU-G10S	10 HP	4 - 22	CS91205CSDO	CS91205DSDO	1	25990
		MU-G10HS	10 HP	20 - 42	CS91207CSFO	CS91207DSFO	1	27440
North	English, Hindi, Marathi, Gujarati, Punjabi	MU-G10S	10 HP	4 - 22	CS91205CND0	CS91205DNDO	1	25990
		MU-G10HS	10 HP	20 - 42	CS91207CNFO	CS91207DNFO	1	27440
East	English, Hindi, Odia, Assamese, Bengali	MU-G10S	10 HP	4 - 22	CS91205CEDO	CS91205DEDO	1	25990
		MU-G10HS	10 HP	20 - 42	CS91207CEFO	CS91207DEFO	1	27440

MU-GS SMART Controllers



With in-built short-circuit protection device

MU-G15S SMART Controller FASD [HSN Code 8536]



Interior View of MU-G15S

Suitable Region	IVRS Languages	Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P ₹ Per Unit
					Coil Voltage 360-W (200V-400V)	Coil Voltage 400/440V		
North	English, Hindi, Marathi, Gujarati, Punjabi	MU-G15S	15 HP	4 - 22	CS91529CNDO	CS91529PNDO	1	33500
South	English, Hindi, Kannada, Telugu, Tamil	MU-G15S	15 HP	4 - 22	CS91529CSDO	CS91529PSDO	1	33500
East	English, Hindi, Assamese, Odia, Bengali	MU-G15S	15 HP	4 - 22	CS91529CEDO	CS91529PEDO	1	33500

MU-G15HS SMART Controller FASD [HSN Code 8536]



Interior View of MU-G15HS

Suitable Region	IVRS Languages	Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P ₹ Per Unit
					Coil Voltage 360-W (200V-400V)	Coil Voltage 400/440V		
North	English, Hindi, Marathi, Gujarati, Punjabi	MU-G15HS	15 HP	13 - 32	CS91530CNEO	CS91530PNEO	1	37000
South	English, Hindi, Kannada, Telugu, Tamil	MU-G15HS	15 HP	13 - 32	CS91530CSEO	CS91530PSEO	1	37000
East	English, Hindi, Assamese, Odia, Bengali	MU-G15HS	15 HP	13 - 32	CS91530CEEO	CS91530PEEO	1	37000

MU-G20S SMART Controller FASD [HSN Code 8536]



Interior View of MU-G20S

Suitable Region	IVRS Languages	Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P ₹ Per Unit
					Coil Voltage 360 V	Coil Voltage 415 V		
North	English, Hindi, Marathi, Gujarati, Punjabi	MU-G20S	20 HP	4 - 22	CS91531CNDO	CS91531DNDO	1	37100
South	English, Hindi, Kannada, Telugu, Tamil	MU-G20S	20 HP	4 - 22	CS91531CSDO	CS91531DSDO	1	37100
East	English, Hindi, Assamese, Odia, Bengali	MU-G20S	20 HP	4 - 22	CS91531CEDO	CS91531DEDO	1	37100
North	English, Hindi, Marathi, Gujarati, Punjabi	MU-G20S	20 HP	13 - 32	CS91531CNEO	CS91531DNEO	1	41730
South	English, Hindi, Kannada, Telugu, Tamil	MU-G20S	20 HP	13 - 32	CS91531CSEO	CS91531DSEO	1	41730
East	English, Hindi, Assamese, Odia, Bengali	MU-G20S	20 HP	13 - 32	CS91531CEEO	CS91531DEEO	1	41730

MU-G20HS SMART Controller FASD [HSN Code 8536]



Interior View of
MU-G20HS

Suitable Region	IVRS Languages	Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
					Coil Voltage 360 V	Coil Voltage 415 V		
North	English, Hindi, Marathi, Gujarati, Punjabi	MU-G20HS	20 HP	13 - 42	CS91532CNFO	CS91532DNFO	1	48550
South	English, Hindi, Kannada, Telugu, Tamil	MU-G20HS	20 HP	13 - 42	CS91532CSFO	CS91532DSFO	1	48550
East	English, Hindi, Assamese, Odia, Bengali	MU-G20HS	20 HP	13 - 42	CS91532CEFO	CS91532DEFO	1	48550

MU-G25S SMART Controller FASD [HSN Code 8536]



Interior View of
MU-G25S

Suitable Region	IVRS Languages	Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
					Coil Voltage 360 V	Coil Voltage 415 V		
North	English, Hindi, Marathi, Gujarati, Punjabi	MU-G25S	25 HP	24 - 42	CS91533CNFO	CS91533DNFO	1	51500
South	English, Hindi, Kannada, Telugu, Tamil	MU-G25S	25 HP	24 - 42	CS91533CSFO	CS91533DSFO	1	51500
East	English, Hindi, Assamese, Odia, Bengali	MU-G25S	25 HP	24 - 42	CS91533CEFO	CS91533DEFO	1	51500



MU-GS SMART Controllers

MU-G30S SMART Controller FASD [HSN Code 8536]



Interior View of
MU-G30S

Suitable Region	IVRS Languages	Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
					Coil Voltage 380V		
North	English, Hindi, Marathi, Gujarati, Punjabi	MU-G30S	30 HP	20 - 50	CS91651LNGO	1	69000
South	English, Hindi, Kannada, Telugu, Tamil	MU-G30S	30 HP	20 - 50	CS91651LSGO	1	69000
East	English, Hindi, Assamese, Odia, Bengali	MU-G30S	30 HP	20 - 50	CS91651LEGO	1	69000

MU-G40S SMART Controller FASD [HSN Code 8536]



Interior View of
MU-G40S

Suitable Region	IVRS Languages	Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
					Coil Voltage 380V		
North	English, Hindi, Marathi, Gujarati, Punjabi	MU-G40S	40 HP	30 - 60	CS91652LNTO	1	78000
South	English, Hindi, Kannada, Telugu, Tamil	MU-G40S	40 HP	30 - 60	CS91652LSTO	1	78000
East	English, Hindi, Assamese, Odia, Bengali	MU-G40S	40 HP	30 - 60	CS91652LETO	1	78000

MU-G50S SMART Controller FASD [HSN Code 8536]



Interior View of
MU-G50S

Suitable Region	IVRS Languages	Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
					Coil Voltage 380V		
North	English, Hindi, Marathi, Gujarati, Punjabi	MU-G50S	50 HP	30 - 75	CS91653LNJO	1	113000
South	English, Hindi, Kannada, Telugu, Tamil	MU-G50S	50 HP	30 - 75	CS91653LSJO	1	113000
East	English, Hindi, Assamese, Odia, Bengali	MU-G50S	50 HP	30 - 75	CS91653LEJO	1	113000

MU-G75S SMART Controller FASD [HSN Code 8536]



Interior View of
MU-G75S

Suitable Region	IVRS Languages	Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
					Coil Voltage 380V		
North	English, Hindi, Marathi, Gujarati, Punjabi	MU-G75S	75 HP	45 - 90	CS91654LNKO	1	144000
South	English, Hindi, Kannada, Telugu, Tamil	MU-G75S	75 HP	45 - 90	CS91654LSKO	1	144000
East	English, Hindi, Assamese, Odia, Bengali	MU-G75S	75 HP	45 - 90	CS91654LEKO	1	144000

Spares for MU-GS SMART Controllers

SMART Controller Spares [HSN Code 8538]



Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
<i>i</i> -Smart for DOL without WLC	CS914130*00	1	23990
<i>i</i> -Smart for FASD without WLC (upto 25HP)	CS914140*00	1	29430
<i>i</i> -Smart for FASD without WLC (30-75HP)	CS914150*00	1	35330
Spare CT Assembly DOL (And FASD Upto 25 HP)	CS910950000	1	3730
Spare CT Assembly FASD (30-75 HP)	CS916480000	1	4900
Spare Battery Pack	CS914170000	1	2730

Note : Please write S for South, N for North and E for East language variants in place of * in the *i*-Smart ordering CAT No.



Px3000

Solar Drive Controller



True MPPT



Robust design to handle high input DC voltage up to 850V



Grid Compatible



Auto & Adaptable MPPT



Rugged design, best-in-class performance even at 50 degrees ambient without derating



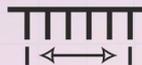
Built-in RS-485



Plug & Play Drive



Automatic Start & Stop



Wide operation range-
Vmpp Range: 250V~750Vdc
Voc Range: 300V~850Vdc



Px3000 Solar Drive Controller	Cat. No.
5 HP	EAVF-P4009P5BAA
7.5 HP	EAVF-P4014P0BAA
10 HP	EAVF-P4018P0BAA

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Single Phase Starters

MU-2P Single Phase Starters [HSN Code 8536]



MU-2P DOL Starter

Suitable for Pump/Motor 1Ø, 230V, 50Hz	Relay Range (A)	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
0.125 HP	1 - 1.6	CS90319KOM0	1	2980
0.25 HP	1.5 - 2.5	CS90319KOPO	1	2980
0.5 HP	2.5 - 4	CS90319KORO	1	2980
0.75 HP	4 - 6.5	CS90319KOTO	1	2980
1 HP	6 - 10	CS90319KOVO	1	2980
2 HP	9 - 14	CS90319KOA0	1	2980
2 HP	11 - 18	CS90319KOCO	1	2980
3 HP	13 - 22	CS90319KODO	1	3030

MF1 Single Phase Starters [HSN Code 8536]



MF1 DOL - 1Ø Starter

Suitable for Pump/Motor 1Ø, 230V, 50Hz	Relay Range (A)	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
0.75 HP	4.5 - 7	SS9722700T0	1	2600
1.25 HP	6.5 - 11	SS9722700V0	1	2600
2 HP	10.5 - 17.5	SS9722700B0	1	2600
3 HP	12 - 20	SS9722700C0	1	2600

Note: These are make-to-order products and are subject to availability. Please contact the nearest sales office for order queries and further details.



MF-G1 Single Phase Submersible Pump Controllers



With MF1 Starter

MF-G1 Controller [HSN Code 8536]

Starter Type	Maximum Submersible Pump Rating at 1Ø, 230V, 50Hz	Relay Range (A)	Cat. No.	Run Condenser 440V, 50Hz MFD	M.R.P ₹ Per Unit
MF-G1 with Ammeter and Voltmeter	0.5 HP	6.5 - 11	SS9772800VE	1 x 36	4940
MF-G1 with Ammeter Only	0.5 HP	6.5 - 11	SS9773400VC	1 x 25	4560
MF-G1 with Ammeter and Voltmeter	1 HP	6.5 - 11	SS9773000VE SS9773000VG	1 x 36 1 x 50	5170
MF-G1 with Ammeter Only	1 HP	6.5 - 11	SS9773600VE SS9773600VG	1 x 36 1 x 50	4750
MF-G1 with Ammeter and Voltmeter	1 HP	12 - 20	SS9773000CE SS9773000CG	1 x 36 1 x 50	5170
MF-G1 with Ammeter Only	1 HP	12 - 20	SS9773600CE SS9773600CG	1 x 36 1 x 50	4750
MF-G1 with Ammeter and Voltmeter	1.5 HP	6.5 - 11	SS9773100VG SS9773100VF	1 x 50 2 x 36	5320
MF-G1 with Ammeter Only	1.5 HP	6.5 - 11	SS9773700VF	2 x 36	4930
MF-G1 with Ammeter and Voltmeter	1.5 HP	12 - 20	SS9773100CG SS9773100CF	1 x 50 2 x 36	5320
MF-G1 with Ammeter Only	1.5 HP	12 - 20	SS9773700CG SS9773700CF	1 x 50 2 x 36	4930
MF-G1 with Ammeter and Voltmeter	2 HP	12 - 20	SS9773200CG SS9773200CF	1 x 50 2 x 36	5410
MF-G1 with Ammeter Only	2 HP	12 - 20	SS9773800CG SS9773800CF SS9773800CH	1 x 50 2 x 36 2 x 50	4980

Note: These are make-to-order products and are subject to availability.
Please contact the nearest sales office for order queries and further details.

DIGITAL SINGLE PHASE CONTROLLER

REDUCE WATER WASTAGE THROUGH AUTOMATION



Manual version

- › Microcontroller Based Solution
- › Dry Run Protection
- › UV/OV Protection
- › Current, Voltage Metering
- › Start & Run Capacitor
- › Bypass Mode
- › OFF Timer
- › Digital Display
- › Capacitor cut-off
- › Automatic Current Setting

Auto version

- › All features of Manual Version
- › Inbuilt Water Level Controller
- › WLC bypass feature
- › Auto start capacitor switching
- › Power ON Delay
- › Dry Run Auto Reset Timer
- › Auto & Manual mode
- › RTC based daily ON/OFF timer
- › Timer count down display
- › Cyclic Timer
- › Time Compensation

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MR-G2 / MR-G3 Single Phase Submersible Pump Controllers



With MU-2P Contactor & MU-2P Relay

MR-G2 / MR-G3 Controller [HSN Code 8536]

Type	Maximum Submersible Pump Rating at 1Ø, 230V, 50Hz	Cat. No.	Relay Range (A)	Start Capacitor 275V, 50Hz	Run Capacitor 440V, 50Hz MFD	With Ammeter & Voltmeter	With Ammeter Only	M.R.P ₹ Per Unit
MR-G2	0.5 HP	SS97720BATC	4 - 6.5	80 / 100	1 x 25	Yes	-	5750
		SS97720BAVC	6 - 10	80 / 100	1 x 25			
		SS97720BAVE	6 - 10	80 / 100	1 x 36			
		SS96988BATC	4 - 6.5	80 / 100	1 x 25	-	Yes	
		SS96988BAVC	6 - 10	80 / 100	1 x 25			
		SS96988BAVE	6 - 10	80 / 100	1 x 36			
	1 HP	SS97721BBVE	6 - 10	100/120	1 x 36	Yes	-	6240
		SS97721BBVG	6 - 10	100 / 120	1 x 50			
		SS97721BCVE	6 - 10	120 / 150	1 x 36			
		SS97721BCVG	6 - 10	120 / 150	1 x 50			
		SS97721BBAE	9 - 14	100 / 120	1 x 36			
		SS97721BBAG	9 - 14	100 / 120	1 x 50			
		SS97721BCAE	9 - 14	120 / 150	1 x 36			
		SS97721BCAG	9 - 14	120 / 150	1 x 50			
		SS96560BBVE	6 - 10	100 / 120	1 x 36	-	Yes	
		SS96560BBVG	6 - 10	100 / 120	1 x 50			
		SS96560BCVE	6 - 10	120 / 150	1 x 36			
		SS96560BCVG	6 - 10	120 / 150	1 x 50			
		SS96560BBAE	9 - 14	100 / 120	1 x 36			
		SS96560BBAG	9 - 14	100 / 120	1 x 50			
	SS96560BCAE	9 - 14	120 / 150	1 x 36				
	SS96560BCAG	9 - 14	120 / 150	1 x 50				
	1.5 HP	SS97722BCAG	9 - 14	120 / 150	1 x 50	Yes	-	6730
		SS97722BCAF	9 - 14	120 / 150	2 x 36			
SS97722BCAJ		9 - 14	120 / 150	1 x 72				
SS97722BDAG		9 - 14	150 / 200	1 x 50				
SS97722BDAF		9 - 14	150 / 200	2 x 36				
SS97722BDAJ		9 - 14	150 / 200	1 x 72				
SS97722BCCG		11 - 18	120 / 150	1 x 50				
SS97722BCCF		11 - 18	120 / 150	2 x 36				
SS97722BCCJ		11 - 18	120 / 150	1 x 72				
SS97722BDCG		11 - 18	150 / 200	1 x 50				
SS97722BDCF		11 - 18	150 / 200	2 x 36				
SS97722BDCJ		11 - 18	150 / 200	1 x 72				

MR-G2 / MR-G3 Single Phase Submersible Pump Controllers

MR-G2 / MR-G3 Controller [HSN Code 8536]

Type	Maximum Submersible Pump Rating at 1Ø, 230V, 50Hz	Cat. No.	Relay Range (A)	Start Capacitor 275V, 50Hz	Run Capacitor 440V, 50Hz MFD	With Ammeter & Voltmeter	With Ammeter Only	M.R.P ₹ Per Unit			
MR-G2	1.5 HP	SS96989BCAG	9 - 14	120 / 150	1 x 50	-	Yes	6490			
		SS96989BCAF	9 - 14	120 / 150	2 x 36						
		SS96989BCAJ	9 - 14	120 / 150	1 x 72						
		SS96989BDAG	9 - 14	150 / 200	1 x 50						
		SS96989BDAF	9 - 14	150 / 200	2 x 36						
		SS96989BDAJ	9 - 14	150 / 200	1 x 72						
		SS96989BCCG	11 - 18	120 / 150	1 x 50						
		SS96989BCCF	11 - 18	120 / 150	2 x 36						
		SS96989BCCJ	11 - 18	120 / 150	1 x 72						
		SS96989BDCG	11 - 18	150 / 200	1 x 50						
		SS96989BDCF	11 - 18	150 / 200	2 x 36						
		SS96989BDCJ	11 - 18	150 / 200	1 x 72						
	2 HP	SS97723BDCF	11 - 18	150 / 200	2 x 36	Yes	-	7080			
		SS97723BDCJ	11 - 18	150 / 200	1 x 72						
		SS97723BECF	11 - 18	200 / 250	2 x 36						
		SS97723BECJ	11 - 18	200 / 250	1 x 72						
		SS97723BDDF	13 - 22	150 / 200	2 x 36						
		SS97723BDDJ	13 - 22	150 / 200	1 x 72						
		SS97723BEDF	13 - 22	200 / 250	2 x 36						
		SS97723BEDG	13 - 22	200 / 250	1 x 50						
		SS97723BEDJ	13 - 22	200 / 250	1 x 72						
		SS96990BDCF	11 - 18	150 / 200	2 x 36				-	Yes	6760
		SS96990BDCJ	11 - 18	150 / 200	1 x 72						
		SS96990BECF	11 - 18	200 / 250	2 x 36						
		SS96990BECJ	11 - 18	200 / 250	1 x 72						
		SS96990BDDF	13 - 22	150 / 200	2 x 36						
		SS96990BDDJ	13 - 22	150 / 200	1 x 72						
		SS96990BEDF	13 - 22	200 / 250	2 x 36						
		SS96990BEDG	13 - 22	200 / 250	1 x 50						
		SS96990BEDJ	13 - 22	200 / 250	1 x 72						
	3 HP	SS97724BEDH	13 - 22	200 / 250	2 x 50	Yes	-	7800			
		CS96468BEBH	16 - 26	200 / 250	2 x 50	-	Yes	7400			
		SS97725BEDH	13 - 22	200 / 250	2 x 50						
CS96461BEBH		16 - 26	200 / 250	2 x 50							
MR-G3	5 HP	CS90490BEEJ	20 - 32	200 / 250	3 x 50				Yes	-	11190

MR-G2W Single Phase Submersible Controllers (With WLC)

MR-G2W with in-built WLC (Ammeter & Voltmeter version only) [HSN Code 8536]

Maximum Submersible Pump Rating at 1Ø, 230V, 50Hz	Cat. No.	Relay Range (A)	Start Capacitor 275V, 50Hz	Run Capacitor 440V, 50Hz MFD	M.R.P ₹ Per Unit
0.5HP	CS91040BATC	4 - 6.5	80 / 100	1 x 25	13100
	CS91040BAVE	6 - 10	80 / 100	1 x 36	
1HP	CS91041BBVE	6 - 10	100 / 120	1 x 36	13660
	CS91041BBVG	6 - 10	100 / 120	1 x 50	
	CS91041BCVE	6 - 10	120 / 150	1 x 36	
	CS91041BCVG	6 - 10	120 / 150	1 x 50	
	CS91041BBAE	9 - 14	100 / 120	1 x 36	
	CS91041BBAG	9 - 14	100 / 120	1 x 50	
	CS91041BCAE	9 - 14	120 / 150	1 x 36	
1.5HP	CS91042BCAG	9 - 14	120 / 150	1 x 50	14300
	CS91042BDAG	9 - 14	150 / 200	1 x 50	
	CS91042BDAF	9 - 14	150 / 200	2 x 36	
	CS91042BCCF	11 - 18	120 / 150	2 x 36	
	CS91042BDCG	11 - 18	150 / 200	1 x 50	
	CS91042BDCF	11 - 18	150 / 200	2 x 36	
2HP	CS91043BECF	11 - 18	200 / 250	2 x 36	14670
	CS91043BDDF	13 - 22	150 / 200	2 x 36	
	CS91043BEDF	13 - 22	200 / 250	2 x 36	
	CS91043BEDG	13 - 22	200 / 250	1 x 50	
3HP	CS91044BEDH	13 - 22	200 / 250	2 x 36	15200

Water Level Controller [HSN Code 9032]



WLC

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
Water Level Controller (240V)(Double Tank application)	XM810520000	1	1600
Water Level Controller (415V)(Double Tank application)	XM810530000	1	1600
Water Level Controller (240V) (Single Tank application)	XM810550000	1	1530
Water Level Controller (415V) (Single Tank application)	XM810560000	1	1530
WLC probes (set of 3 nos.)	XM810510000	1	550
WLC probes (set of 6 nos.)	XM810760000	1	1080

Spares for MR-G Submersible Pump Controllers



MR-G Plug ON



MR-G Plug OFF



MR G Spare ADD ON Block

MR-G Spares [HSN Code 8538]

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
MR 11W, Spare Coil, 240V, 50Hz	CS94102B000*	10	970
MR-G2 Plug ON & OFF (Bulk of 10 ON & 10 OFF Plugs)	CS916960000	1	340
SPARE ADD ON BLOCK, MR-G2	CS964360000	1	285

* Note: Cat No. is available till stocks last.



MU-2P Contactor

Contactor Type MU-2P [HSN Code 8536]

Component	AC3 Rating	Type	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
MU-2P Contactor	16A	MU16-2P (160-220V)	CS90117N000	10	1300
	25A	MU25-2P (160-220V)	CS90118N000	10	1580
	40A	MU40-2P (160-220V)	CS90119N000	10	2010



MU-2P Relay

MU-2P Relay [HSN Code 8536]

Component	Type	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
MU-2P Relay	1 - 1.6A	CS9020700MO	1	980
	1.5 - 2.5A	CS9020700PO	1	980
	2.5 - 4A	CS9020700RO	1	980
	4 - 6.5A	CS9020700TO	1	980
	6 - 10A	CS9020700VO	1	980
	9 - 14A	CS9020700AO	1	980
	11 - 18A	CS9020700CO	1	1090
	13 - 22A	CS9020700DO	1	1090
	16 - 26A	CS9020700BO	1	1090
	20 - 32A	CS9020700EO	1	1370

MU-2P Spares [HSN Code 8538]



MU-2P Coil

Component	Type	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
MU-2P Spare Contact Kit	MU16-2P	CS902170000	1	430
	MU25-2P	CS902180000	1	570
	MU40-2P	CS902190000	1	815
MU-2P Spare Coil & Top Add-on	MU-2P Coil (220V)	CS90793N000	1	510
	MU-2P Coil (300V)	CS90793R000	1	510
	MI-A2 Top ADD-ON (1 NO)	CS906950000	1	280

Wiring Harness for MU-G/ MR-G Controllers [HSN Code 8538]

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
Wiring Harness, MU-G6 (Flexible Type)	CS961310000	1	1340
Wiring Harness, MU-G10 (Flexible Type)	CS961300000	1	1910
Wiring Harness, MU-G10H (Flexible Type)	CS961340000	1	2470
Wiring Harness, MU-G15 (Flexible Type)	CS905670000	1	2810
Wiring Harness, MU-G20 (SDz5 SPPR) (Flexible Type)	CS961290000	1	4180
Wiring Harness, MU-G20H (SDz5 SPPR) (Flexible Type)	CS961350000	1	4460
Wiring Harness, MU-G30 (Flexible Type)	CS961280000	1	5470
Wiring Harness, MU-G50 (Flexible Type)	CS961270000	1	7780
Wiring Harness, MU-G75 (Flexible Type)	CS901710000	1	11180
Wiring Harness 2.5 sq. mm, MR-G2 (Flexible Type, For upto 11 - 18A Relay)	CS961330000	1	1560



MR-Gi Digital Single Phase Controllers - Manual & Auto

Manual version

FEATURES

Auto version



- Microcontroller Based Solution
- Dry Run Protection
- UV/OV Protection
- Current, Voltage Metering
- Start & Run Capacitor
- Bypass Feature
- OFF Timer
- Digital Display
- Capacitor cut-off
- Automatic Current Setting

- All features of Manual Version
- In-built Water Level Controller
- WLC bypass feature
- Auto start capacitor switching
- Power on delay
- Dry Run auto reset timer
- Auto & Manual mode
- RTC based daily ON/OFF timer
- Timer count down display
- Cyclic timer
- Time Compensation



MR-Gi (Manual) [HSN Code 8536]

Type	Maximum Submersible Pump Rating at 1Ø, 230V, 50Hz	Cat. No.	Start Capacitor 275V, 50Hz	Run Capacitor 440V, 50Hz MFD	M.R.P ₹ Per Unit
MR-Gi (Manual)	0.5 HP	CS91321NAOC	80 / 100	1 x 25	5000
		CS91321NAOE	80 / 100	1 x 36	
	1 HP	CS91322NBOE	100 / 120	1 x 36	5270
		CS91322NBOG	100 / 120	1 x 50	
		CS91322NCOE	120 / 150	1 x 36	
		CS91322NCOG	120 / 150	1 x 50	
	1.5 HP	CS91323NCOG	120 / 150	1 x 50	5530
		CS91323NCOF	120 / 150	2 x 36	
		CS91323NCOJ	120 / 150	1 x 72	
		CS91323NDOG	150 / 200	1 x 50	
		CS91323NDOF	150 / 200	2 x 36	
	2 HP	CS91324NDOF	150 / 200	2 x 36	5750
		CS91324NDOH	150 / 200	2 x 50	
		CS91324NDOJ	150 / 200	1 x 72	
		CS91324NEOF	200 / 250	2 x 36	
		CS91324NEOG	200 / 250	1 x 50	
		CS91324NEOJ	200 / 250	1 x 72	
	3 HP	CS91325NEOH	200 / 250	2 x 50	6000

MR-GiB (Auto) [HSN Code 8536]

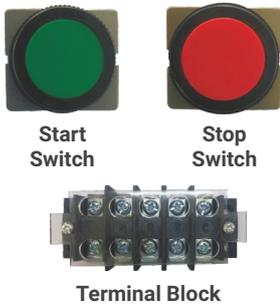
Type	Maximum Submersible Pump Rating at 1Ø, 230V, 50Hz	Cat. No.	Start Capacitor 275V, 50Hz	Run Capacitor 440V, 50Hz MFD	M.R.P ₹ Per Unit
MR-GiB (Auto)	0.5 HP	CS91718NAOC	80 / 100	1 x 25	6300
		CS91718NAOE	80 / 100	1 x 36	
	1 HP	CS91719NBOE	100 / 120	1 x 36	6530
		CS91719NBOG	100 / 120	1 x 50	
		CS91719NCOE	120 / 150	1 x 36	
		CS91719NCOG	120 / 150	1 x 50	
	1.5 HP	CS91720NCOG	120 / 150	1 x 50	6770
		CS91720NCOF	120 / 150	2 x 36	
		CS91720NCOJ	120 / 150	1 x 72	
		CS91720NDOG	150 / 200	1 x 50	
		CS91720NDOF	150 / 200	2 x 36	
	2 HP	CS91721NDOF	150 / 200	2 x 36	7000
		CS91721NDOH	150 / 200	2 x 50	
		CS91721NDOJ	150 / 200	1 x 72	
		CS91721NEOF	200 / 250	2 x 36	
		CS91721NEOG	200 / 250	1 x 50	
		CS91721NEOJ	200 / 250	1 x 72	
	3 HP	CS91722NEOH	200 / 250	2 x 50	7250



MR-GiA (Auto with WLC) [HSN Code 8536]

Type	Maximum Submersible Pump Rating at 1Ø, 230V, 50Hz	Cat. No.	Start Capacitor 275V, 50Hz	Run Capacitor 440V, 50Hz MFD	M.R.P ₹ Per Unit
MR-GiA (Auto with WLC)	0.5 HP	CS91331NAOC	80 / 100	1 x 25	6950
		CS91331NAOE	80 / 100	1 x 36	
	1 HP	CS91332NBOE	100 / 120	1 x 36	7200
		CS91332NBOG	100 / 120	1 x 50	
		CS91332NCOE	120 / 150	1 x 36	
		CS91332NCOG	120 / 150	1 x 50	
	1.5 HP	CS91333NCOG	120 / 150	1 x 50	7420
		CS91333NCOF	120 / 150	2 x 36	
		CS91333NCOJ	120 / 150	1 x 72	
		CS91333NDOG	150 / 200	1 x 50	
		CS91333NDOF	150 / 200	2 x 36	
	2 HP	CS91334NDOF	150 / 200	2 x 36	7650
		CS91334NDOH	150 / 200	2 x 50	
		CS91334NDOJ	150 / 200	1 x 72	
		CS91334NEOF	200 / 250	2 x 36	
		CS91334NEOG	200 / 250	1 x 50	
		CS91334NEOJ	200 / 250	1 x 72	
	3 HP	CS91335NEOH	200 / 250	2 x 50	7900

Digital Single Phase Controller Spares [HSN Code 8538]



Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
Spare start switch (Manual Version)	CS913630000	1	310
Spare stop switch (Manual Version)	CS913640000	1	240
Mounting kit accessory	CS913650000	1	190
Spare 5 way terminal block	CS913660000	1	230
Spare 2 way terminal block	CS913670000	1	160
Spare Digital Module Manual	CS920250000	1	4450
Spare Digital Module Auto	CS920260000	1	5500



MR-GiA WLC Spare

Digital Single Phase Controller Spares [HSN Code 9032]

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
Spare WLC Module	CS913680000	1	1480

SIMPLIFYING WATER CONTROL CHALLENGES



SzLC WLC Series



Settable OFF-timer ranging from 15-150 minutes



Power ON Delay Timer- 3-30 seconds



Application: Single & Double Tank



LED Indication



Auto/Manual/Bypass operating mode available*



Use for Single Phase Monoset and Submersible Pump upto 3 HP and for Three Phase Submersible Pump

*AUTO/ON/OFF - SzLC
 AUTO/MANUAL/BYPASS - SzLC1 & SzLC1



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M-POWER Pro Module For Mobile Starters

M-POWER Pro

Features

- › Only 3 wire connection ensures easy installation with DOL and Star Delta starters
- › Enables the operation (Remote ON/OFF, parameter setting, monitoring and troubleshooting) of your pump through SMS, IVRS, Call and **SMARTCOMM** App, thus provides the convenience in controlling the pump operation from anywhere at anytime
- › Offers protection from phase loss, voltage imbalance, phase reversal, over voltage, under voltage and dry run fault with individual protection Enable/Disable feature.
- › Same unit works for Three Phase DOL and Star Delta starter
- › Hour based and Network based daily timers (4 Time slot) with time compensation
- › Up to 4 users along with 1 master can be connected for controlling your pump operation
- › Auto/Manual/Bypass mode and total run time information for your pump



SMARTCOMM
Agri Connect

M-POWER Pro [HSN Code 8536]

Suitable Region	IVRS Languages	Product	Cat. No.			Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
			Coil Voltage 360V	Coil Voltage 380V	Coil Voltage 415V		
North & West	English, Hindi, Marathi, Gujarati, Punjabi	M-POWER Pro	CS91313MOOO	CS91313LOOO	CS913130000	1	9600
South	English, Hindi, Kannada, Telugu, Tamil		CS91313MOSO	CS91313LOSO	CS913130OSO	1	9600
East	English, Hindi, Odia, Assamese, Bengali		CS91313MOEO	CS91313LOEO	CS9131300EO	1	9600

Note : Different voltage variants of M-POWER Pro are as per the coil voltages of our agri contactors and are to be suitably selected.



M-POWER++ & M-POWER+ Module For Mobile Starters

M-POWER++

Features

- › M-POWER++ is compatible with LTE 4G / VoLTE. It also supports 2G network
- › Enables remote operation (Pump ON / OFF) through any GSM networks
- › It can be operated through Missed Call / IVRS / SMS. Regional languages are available for SMS / IVRS
- › All events communicated to User by SMS & total pump run time can be checked
- › Wide range of selection for operating modes like Auto / Manual / Timer (duration based) / 4 Daily Timers (RTC based)
- › Compatible with 1 phase and 3 phase Starters & Controllers (DOL, SASD & FASD)



M-POWER++ [HSN Code 8538]

Description	IVRS Languages	Suitable Region	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
M-POWER++ Module for Mobile Starter - 1P/3P 3 Wire	English,Hindi, Marathi, Punjabi, Gujarati	North & West	CS9214500NO	1	6830
	English, Hindi, Kannada, Telugu, Tamil	South	CS9214500SO	1	6830
	English, Hindi, Bengali, Odiya, Assamese	East	CS9214500EO	1	6830

M-POWER+

M-POWER+ [HSN Code 8538]

Description	IVRS Languages	Suitable Region	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
M-POWER+ Module for Mobile Starter - 1P/3P 3 Wire	English,Hindi, Marathi, Punjabi, Gujarati	North & West	GSM030100NO	1	5760
	English, Hindi, Kannada, Telugu, Tamil	South	GSM030100SO	1	5760
	English, Hindi, Bengali, Odiya, Assamese	East	GSM030100EO	1	5760



M-POWER+ & M-POWER++ Accessories

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
Wire Type Antenna [8538]	GSM0301A000	1	610
Controller-side Wire Harness [8544]	GSM0301C000	1	240
Module-side Wire Harness [8544]	GSM0301G000	1	340



Controller-side Wire Harness & Module-side Wire Harness Wire Type Antenna

Auto WLC

WLC monitors the water level in the tanks and controls the actuation of the motor/pump. The WLC can be used for applications like filling & draining the tank, filling only one tank with dual levels monitoring, draining only one tank with dual level monitoring.

This Auto WLC comes with three variants:

- › **SzLC** - Used for Single Phase Monoblock & Self Priming Pump (Upto 3HP)
- › **SzLC1** - Used for Single Phase Submersible Pump (Upto 3HP)
- › **SzLC3** - Used for Three Phase Submersible

Features

- › Two level detection of water in a tank
- › One/Two tank monitoring for draining or filling or draining and filling the water
- › High load switching capacity of output up to 30A. (For SzLC & SzLC1)
- › Separate LED indication for water level, power, and relay status
- › Settable Power ON Delay and OFF timer
- › Multiple operating modes like AUTO/ ON/ OFF (For SzLC) and AUTO/ MANUAL/ BYPASS (For SzLC1 & SzLC3)
- › Protections against dry run and over filling, means trip against tank emptying and over filling through probe sensing only



Auto WLC [HSN Code 9032]

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
Auto WLC, SzLC : For Single Phase Double Tank	XM810600000	1	2260
Auto WLC, SzLC1 : For Single Phase (STARTER+CAP) Double Tank	XM810620000	1	2790
Auto WLC, SzLC : For Single Phase Single Tank	XM810660000	1	2220
Auto WLC, SzLC1 : For Single Phase (STARTER+CAP) Single Tank	XM810670000	1	2700
Auto WLC, SzLC3 : For Three Phase Double Tank	XM810650000	1	3660
Auto WLC, SzLC3 : For Three Phase Single Tank	XM810680000	1	3570



SASDz5 & Sz1A Auto Switch

SASDz5

SASDz5 Auto Switch SPPR is specially designed for the SASD starters. With the help of SASDz5, a Semi-Automatic (SASD) Starter can be converted into Fully Automatic (FASD) Starters. This SASDz5 is compatible with both two-button SASD starters (Start and Stop button) and three-button SASD starter (Start, Run and Stop button).

Features

- › Auto / Manual / OFF Mode (Bypass)
- › Phase loss, phase reversal, voltage unbalance, over voltage protection
- › ON delay timer and Star-Delta timer
- › LED indications for all voltage faults
- › Compatible with all types of Semi-Automatic Star-Delta (SASD) starters
- › Easy connection



SASDz5 [HSN Code 9032]

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
SASDz5, AUTO SWITCH SPPR FOR 2 BUTTON SASD STARTER	XM818100000	1	1820
SASDz5, AUTO SWITCH SPPR FOR 3 BUTTON SASD STARTER	XM818110000	1	1820

Sz1A

Sz1A Auto Switch is designed for single phase submersible pump application up to 3HP as well as Monoblock pump application. It enables automatic operation of single phase pump/motor.

Features

- › In-built ON Delay Timer, Range: 30 sec to 5 minute Settable
- › Auto/Manual mode of operation
- › Multiple LED indicators for ease of monitoring



Sz1A [HSN Code 9032]

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
Sz1A, AUTO SWITCH SPPR FOR SINGLE PHASE STARTER	XM818120000	1	1720

i-PROTECTOR

Now with dedicated & separate buttons for Dry Run threshold & Dry Run reset delay

Features

- › Micro-controller based protection design
- › Digital Ammeter and Voltmeter in select variants
- › Auto / Manual / Bypass Mode available
- › Suitable for all starters - upto 40A
- › Protections available - Voltage Single Phasing, Current Single Phasing, Voltage Unbalance fault from supply side, Current Unbalance fault from motor side, Phase reversal fault, Under voltage fault, Overvoltage fault
- › Dry-Run fault protection (With adjustable current setting and adjustable reset time)



Recommended i-PROTECTOR for our starters

Product	DOL						Star - Delta					
	3-Phase Starter			3-Phase Controller			3-Phase SASD / FASD Starters			3-Phase Controller (FASD)		
	MK1 / MK2	MU1 / MU1H / MU2 / MU3	MB1 / MB2	MU-G6	MU-G7.5	MU-G10 / MU-G10H / MU-G10HN	MK1	MU1 / MU2	MB1 / MB2	MU-G15	MU-G17.5	MU-G20 / MU-G20H / MU-G20HN
i-ADSM	✓	✓	✓	✓*	✓*	✓*	✓	✓	✗	✓*	✓*	✓*
i-VDSM	✓	✓	✓	✓*	✓*	✓*	✓	✓	✗	✓*	✓*	✓*

* Note : MU-G Controller is provided with Sz5 /SDz5. In case of upgradation, use i-ADSM, i-VDSM in place of SPPR
 ✓ Note : i-PROTECTOR is compatible with the mentioned starter

i-PROTECTOR [HSN Code 8536]

Product Designation	Product Details	360 V	415 V	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
i-ADSM	Single phasing preventer & dry run protection relay + VI meter (current based)	CS90863C000	CS90863D000	1	4300
i-VDSM	Single phasing preventer & dry run protection relay + VI meter (voltage based)	CS90875C000	CS90875D000	1	4300

Note: Different voltage variants of i-PROTECTOR are as per the coil voltages of our Agri contactors and are to be suitably selected.

WIRE HARNESS FOR i-PROTECTOR [HSN Code 8544]

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
Wire Harness, i-ADSM, i-VDSM	CS916350000	1	490



MCB with K-Curve Exclusively for Agricultural Pumps

Features

- › Range available from 10A to 125A - 3 Pole and 10A to 32A - 2 Pole
- › Specially designed MCBs with K-Curve
 - Short circuit tripping band suitable for submersible pumps
 - Offers effective short circuit protection
- › Rated Voltage: 240V & 415V AC
- › Breaking Capacity
 - 10kA as per IEC 60947-2 up to 63A
 - 15kA as per IEC 60947-2 up to 100A-125A
- › Distinct advantages over rewirable fuse



MCB Selection for Controllers

2 Pole			3 Pole		
Product	Relay Range	MCB Rating (A)	Product	Relay Range	MCB Rating (A)
MR-G2	4-6.5	10	MU-G6	4-6.5	10
	06-10	10		06-10	10
	09-14	16		09-14	16
	10-18	20	MU-G10	4-6.5	10
	13-22	25		06-10	10
16-26	32	09-14		16	
MR-G3	20-32	32		13-21	25
			20-32	32	
			28-42	50	
			MU-G20	09-14	40
				13-21	50
			MU-G20H	20-32	100
				28-42	125

MCB CAT NOS. & Ratings [HSN Code 8536]



MCB Pole	Cat. No.	MCB Rating (A)	Module 1Mod=17.5mm	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
2 - Pole	LK20100K	10	2	6	995
	LK20160K	16	2	6	995
	LK20200K	20	2	6	995
	LK20250K	25	2	6	995
	LK20320K	32	2	6	995



MCB Pole	Cat. No.	MCB Rating (A)	Module 1Mod=17.5mm	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
3 - Pole	LK30100K	10	3	4	1590
	LK30160K	16	3	4	1590
	LK30200K	20	3	4	1590
	LK30250K	25	3	4	1590
	LK30320K	32	3	4	1590
	LK30400K	40	3	4	2450
	LK30500K	50	3	4	2450
	LK30630K	63	3	4	2450
	LK31000K	100	4.5	1	10770
	LK31250K	125	4.5	1	11960

DY125U MCCB

For your Pump Applications

Features

- › Conforms to IS / IEC 60947-2, IEC 60947-2 & EN 60947-2
- › Range: 25A to 100A, 3P, 415V AC
- › Breaking capacity Icu -10kA (Ics=100% Icu)
- › High Electrical & Mechanical life
- › Thermal Magnetic Release
- › No Load-Line Bias
- › ON-TRIP-OFF indication
- › Suitable for Isolation
- › Rated insulation voltage (Ui) - 800VAC
- › Rated impulse withstand voltage (Uimp)-8kV
- › CE Marking



MCCB Cat Nos. & Ratings [HSN Code 8536]

Type	Poles	Current Rating (A)	Breaking Capacity Icu (kA)	Cat. No.	Description	M.R.P. ₹ Per Unit
DY125U	3P	25	AC: 10kA@ 415V AC, 50 Hz/60 Hz DC : 10kA@ 250V DC (3P in series)	EM9098300DO	MCCB DY125U 25A 3P 10KA FTFM	2700
		32		EM9098300EO	MCCB DY125U 32A 3P 10KA FTFM	2700
		40		EM9098300FO	MCCB DY125U 40A 3P 10KA FTFM	2700
		50		EM9098300GO	MCCB DY125U 50A 3P 10KA FTFM	2700
		63		EM9098300HO	MCCB DY125U 63A 3P 10KA FTFM	2620
		80		EM9081300JO	MCCB DY125U 80A 3P 10KA FTFM	2620
		100		EM9081300KO	MCCB DY125U 100A 3P 10KA FTFM W/O SPRD	2620



Power Factor Correction Capacitors

Features

- › Self-healing property ensures longer life of capacitor
- › Leak proof and high viscous resin construction, hence no leakage or spillage
- › Superior quality Metalized Polypropylene (MPP) film, ingress free construction and low losses ensures capacitance value and longer life of capacitor
- › Metal construction allows natural cooling in ambient
- › Suitable to work on high voltage
- › Improved power factor and low losses ensures optimized cable usage, lesser overheating of motor and hence lesser damage and maintenance



Power Capacitors suitable for Agricultural Applications Box Capacitors [HSN Code 8532]

Rating	Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
1 kVAr	440V	LTBCA301B2	1	250
2 kVAr	440V	LTBCA302B2	1	480
3 kVAr	440V	LTBCA303B2	1	725
4 kVAr	440V	LTBCA304B2	1	970
5 kVAr	440V	LTBCA305B2	1	1215
6 kVAr	440V	LTBCA306B2	1	1460
7.5 kVAr	440V	LTBCA307B2	1	1825
8.33 kVAr	440V	LTBCA308B2	1	2025
10 kVAr	440V	LTBCA310B2	1	2435
12.5 kVAr	440V	LTBCA312B2	1	3035
15 kVAr	440V	LTBCA315B2	1	3640
20 kVAr	440V	LTBCA320B2	1	4855
25 kVAr	440V	LTBCA325B2	1	6065
30 kVAr	440V	LTBCA330B2	1	7265

Cylindrical Capacitors [HSN Code 8532]

Rating	Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
1 kVAr	440V	LTCCA301B2	1	205
2 kVAr	440V	LTCCA302B2	1	405
3 kVAr	440V	LTCCA303B2	1	605
4 kVAr	440V	LTCCA304B2	1	810
5 kVAr	440V	LTCCA305B2	1	1010
6 kVAr	440V	LTCCA306B2	1	1215
7.5 kVAr	440V	LTCCA307B2	1	1520
8.33 kVAr	440V	LTCCA308B2	1	1685
10 kVAr	440V	LTCCA310B2	1	2025
12.5 kVAr	440V	LTCCA312B2	1	2520
15 kVAr	440V	LTCCA315B2	1	3025
20 kVAr	440V	LTCCA320B2	1	4040
25 kVAr	440V	LTCCA325B2	1	5035
30 kVAr	440V	LTCCA330B2	1	6045

Cylindrical Capacitors with Clamps [HSN Code 8532]

Rating	Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
1 kVAr	440V	LTCCC301B2	1	235
2 kVAr	440V	LTCCC302B2	1	435
3 kVAr	440V	LTCCC303B2	1	635
4 kVAr	440V	LTCCC304B2	1	845
5 kVAr	440V	LTCCC305B2	1	1035
6 kVAr	440V	LTCCC306B2	1	1245
7.5 kVAr	440V	LTCCC307B2	1	1555
8.33 kVAr	440V	LTCCC308B2	1	1715
10 kVAr	440V	LTCCC310B2	1	2050
15 kVAr	440V	LTCCC315B2	1	3060
20 kVAr	440V	LTCCC320B2	1	4070
25 kVAr	440V	LTCCC325B2	1	5070
30 kVAr	440V	LTCCC330B2	1	6085

Power Factor Correction Capacitors



Power Capacitors suitable for Agricultural Applications Box Capacitors [HSN Code 8532]

Rating	Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
1 kVAr	415V	LTBCA301A2	1	250
2 kVAr	415V	LTBCA302A2	1	480
3 kVAr	415V	LTBCA303A2	1	725
4 kVAr	415V	LTBCA304A2	1	970
5 kVAr	415V	LTBCA305A2	1	1215
6 kVAr	415V	LTBCA306A2	1	1460
7.5 kVAr	415V	LTBCA307A2	1	1825
8.33 kVAr	415V	LTBCA308A2	1	2025
10 kVAr	415V	LTBCA310A2	1	2435
12.5 kVAr	415V	LTBCA312A2	1	3035
15 kVAr	415V	LTBCA315A2	1	3640
20 kVAr	415V	LTBCA320A2	1	4855
25 kVAr	415V	LTBCA325A2	1	6065
30 kVAr	415V	LTBCA330A2	1	7265



Cylindrical Capacitors [HSN Code 8532]

Rating	Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
1 kVAr	415V	LTCCA301A2	1	205
2 kVAr	415V	LTCCA302A2	1	405
3 kVAr	415V	LTCCA303A2	1	605
4 kVAr	415V	LTCCA304A2	1	810
5 kVAr	415V	LTCCA305A2	1	1010
6 kVAr	415V	LTCCA306A2	1	1215
7.5 kVAr	415V	LTCCA307A2	1	1520
8.33 kVAr	415V	LTCCA308A2	1	1685
10 kVAr	415V	LTCCA310A2	1	2025
12.5 kVAr	415V	LTCCA312A2	1	2520
15 kVAr	415V	LTCCA315A2	1	3025
20 kVAr	415V	LTCCA320A2	1	4040
25 kVAr	415V	LTCCA325A2	1	5035
30 kVAr	415V	LTCCA330A2	1	6045



Capacitor Selection

- › These are only broad guidelines
- › For actual values please contact Motor manufacturer
- › Recommended capacitor ratings for direct connection to induction motors

for direct connection to induction motors to improve power factor to 0.95 or better at all loads kVAR ratings when speed is:

Motor		3000 rpm	1500 rpm	1000 rpm	750 rpm	500 rpm
HP	KW	Capacitor (KVAR)				
2.5	1.9	1	1	1.5	2	2.5
5	3.7	2	2	2.5	3.5	4
7.5	5.6	2.5	3	3.5	4.5	5.5
10	7.5	3	4	4.5	5.5	6.5
15	11.2	4	5	6	7.5	9
20	14.9	5	6	7	9	12
25	18.7	6	7	9	10.5	14.5
30	22.4	7	8	10	12	17
40	29.8	9	10	13	15	21
50	37.3	11	12.5	16	18	25
60	44.8	13	14.5	18	20	28
70	52.2	15	16.4	20	22	31
80	59.7	17	19	22	24	34
90	67.1	19	21	24	26	37
100	74.6	21	23	26	28	40
110	82.1	23	25	28	30	43
120	89.5	25	27	30	32	46
130	97.0	27	29	32	34	49
140	104.4	29	31	34	36	52
145	108.2	30	32	35	37	54
150	111.9	31	33	36	38	55
155	115.6	32	34	37	39	56
160	119.4	33	35	38	40	57
165	123.1	34	36	39	41	59
170	126.8	35	37	40	42	60
175	130.6	36	38	41	43	61
180	134.3	37	39	42	44	62
185	138.0	38	40	43	45	63
190	141.7	38	40	43	45	65
200	149.2	40	42	45	47	67
250	186.5	45	50	55	60	70

MFD Capacitors for Single Phase Application

Features

- › Self-healing property of metalized film ensures longer life of capacitor Oil free dry resin construction, hence no leakage or spillage and no damage to panel
- › Superior quality Metalized Polypropylene (MPP) film, ingress free construction and low losses ensures capacitance value and longer life of capacitor
- › Suitable to work on high voltage
- › High insulation resistance ensures minimum leakage loss
- › Low losses and rated capacitance value ensures trouble free operation and performance of your motor

Spare Cylindrical Condensers with Wire [HSN Code 8532]



Type	Rating	Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
Run	10	440V	LTCCMRW010B2	21	85
	12.5	440V	LTCCMRW125B2	21	100
	15	440V	LTCCMRW015B2	21	125
	20	440V	LTCCMRW020B2	21	150
	25	440V	LTCCMRW025B2	12	160
	30	440V	LTCCMRW030B2	12	170
	36	440V	LTCCMRW036B2	12	180
	40	440V	LTCCMRW040B2	12	230
	45	440V	LTCCMRW045B2	12	255
	50	440V	LTCCMRW050B2	12	265
Start	72	440V	LTCCMRW072B2	12	345
	80 - 100	275V	LTCCMSW100P2	12	255
	100 - 120	275V	LTCCMSW120P2	12	295
	120 - 150	275V	LTCCMSW150P2	12	350
	150 - 200	275V	LTCCMSW200P2	12	400
	200 - 250	275V	LTCCMSW250P2	12	445

Spare Cylindrical Condensers for MR-G Controllers [HSN Code 8532]



Type	Rating	Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
Run	25	440V	LTCCMR025B2	12	185
	36	440V	LTCCMR036B2	12	205
	50	440V	LTCCMR050B2	12	325
Start	80 - 100	275V	LTCCMS100P2	12	295
	100 - 120	275V	LTCCMS120P2	12	355
	120 - 150	275V	LTCCMS150P2	12	410
	150 - 200	275V	LTCCMS200P2	12	470
	200 - 250	275V	LTCCMS250P2	12	525



Submersible Flat Cable

Submersible Cables

Features

- › 1100V Grade cable with 99.97% pure ETP grade copper
- › With uniform double insulation, no shock hazards, hence safe to use
- › Lesser cable resistance, hence negligible voltage drop in cable ensures appropriate voltage at motor terminals



Submersible Cables (Flat Cables) as per IS694 [HSN Code 8544]

Nominal Cross Section Area of Conductor (Sq. mm)	Construction Details/ Max Dia (mm)	Current Carrying Capacity at 40°C (A)	Cat. No.	M.R.P. ₹ Per Unit
1	14 / 0.3	11	WS00010PECM*	Please refer Submersible Flat Cables Price List
1.5	22 / 0.3	14	WS00015PECM*	
2.5	36 / 0.3	18	WS00025PECM*	
4	56 / 0.3	26	WS00040PECM*	
6	84 / 0.3	31	WS00060PECM*	
10	80 / 0.4	42	WS00100PECM*	
16	126 / 0.4	57	WS00160PECM*	

Note : * 5 for 500 mts & 1 for 1000 mts.



General Terms

All prices are on Maximum retail price basis inclusive of all duties, GST & any other tax as applicable.

Warranty Policy

All products listed in the price list are covered by a warranty against manufacturing defects for a period of 18* months from the date of purchase. For Lauritz Knudsen MCBs & Isolators mounted inside Lauritz Knudsen Distribution Boards, an extended warranty of 5 years is provided.

In the event of a defect due to faulty workmanship or other associated reasons, we will, at our discretion, remedy the defect or replace the faulty parts or the entire product as soon as possible, free of cost.

However, the warranty is subject to proper usage, efficient maintenance, and does not cover defects arising from fire, accidents, inefficient maintenance, faulty operation, or deliberate or accidental damage. It also does not cover damage to power electronic components such as thyristors & IGBTs, which primarily fail due to overtemperature & over-voltage. Users need to take adequate precautions to eliminate these conditions. Manufacturer shall not be responsible & liable for any special, incidental, social or consequential (including lost profits) loss, consequential damages, injury or damages (punitive) of any kind solely attributable to defect or failure of its products. Manufacturer shall not be liable in any manner for the issue of or failure in the performance of other equipment the product is attached to.

Comprehensive Service Support

Lauritz Knudsen Electrical & Automation has over seven decades of experience in providing after sales service for low voltage distribution system in every type of industry & commercial complex in India

Lauritz Knudsen Electrical & Automation offers the following services, partnering you in your maintenance of low voltage distribution products:

- > Regular Maintenance
- > Preventive Maintenance Programme
- > On Call
- > Annual Maintenance Contract
- > Product Support for Managing Obsolescence

Electrical Standard Products (ESP) Offices

HEAD OFFICE

Lauritz Knudsen Electrical & Automation, A/600, Shil-Mahape Road, TTC Industrial Area, MIDC Thane, Navi Mumbai, 400 710, Maharashtra.
Tel: 022-6722 6300 | Fax: 022-6705 1112 | e-mail: CIC@LK-EA.com

BRANCH OFFICES

Lauritz Knudsen Electrical & Automation
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e-mail: CIC@LK-EA.com

Lauritz Knudsen Electrical & Automation
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Product improvement is a continuous process. For the latest information and special application, please contact any of our offices listed here. Product photographs shown for representative purpose only.



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FROM THE COO'S DESK.



Electrical & Automation

Dear Partner,

As the festive season lights up homes and hearts across India, we extend our warmest wishes to you and your loved ones.

This time also marks an important milestone for us at **Lauritz Knudsen Electrical & Automation** - a moment to reflect, renew, and reaffirm our commitment to you.

Your continued trust and partnership have been the cornerstone of our journey. Building on a legacy of over 70 years, and following our refreshed identity last year, we remain focused on delivering **innovative, reliable, and high-quality products** that power progress.

As part of this journey, we are pleased to **share an updated price list**. This revision reflects our ongoing commitment to **transparency, quality, and excellence**, ensuring you continue to receive the best value and service.

This update also coincides with the launch of our **most extensive portfolio yet** - designed to support the evolving technology backbone of the nation.

At Lauritz Knudsen, our philosophy remains simple yet powerful: **We listen. We partner. We innovate.**

These words guide our actions and shape the way we grow - together.

We look forward to continuing our collaboration and powering up homes, industries, farms, infrastructure, businesses, and lives - with you by our side.

Wishing you a joyful festive season and continued success.

A handwritten signature in blue ink that reads "Naresh Kumar".

Warm regards,
Naresh Kumar
COO & Sr. VP, Electrical Standard Products
Lauritz Knudsen Electrical & Automation

Content

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Note :

Colour of HSN code signifies below

[Green colour : HSN code]

Current GST 18%, subject to changes as per Govt. notification

Complete Your Panel with the widest range of Industrial Signalling Products



Rotary & Load Break Switches



Timing Devices & Supply Monitors



Modular Remote Control Units

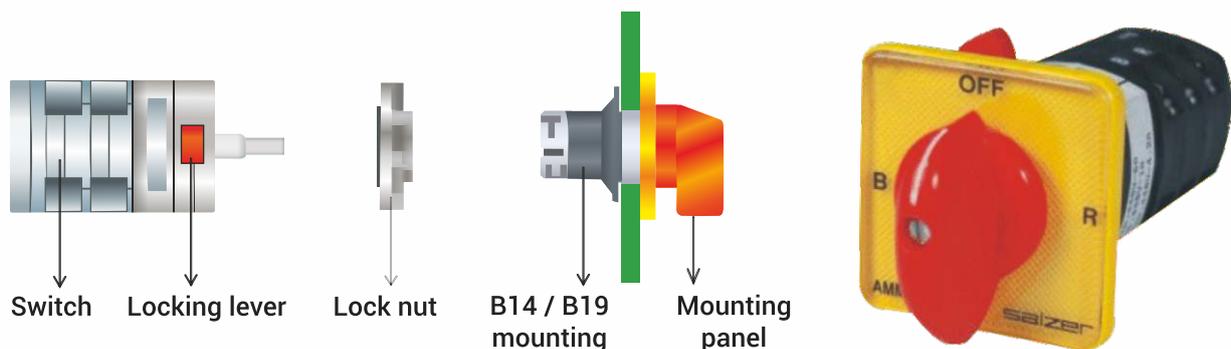


Digital Panel Meters



Increase installation efficiency by 75% with our Single Hole Mounting Rotary Switch

Single hole mounting (SHM) range of rotary switches uses a unique mounting concept that requires just a single $\text{Ø}22.5$ cut out to mount the switches on the panel

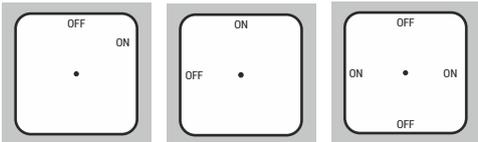


- › Available from 6A-32A with B14 / B19 mounting
- › Easy mounting - Reduces assembly time
- › Wiring accessibility : Switch can be wired separately and then snap fitted to the mounting assembly using locking lever
- › Single hole cutout - It requires a single cutout to mount on the panel

Rotary Switches

Note: All mentioned prices are for Standard Mounting & Knob. Kindly reach our branch offices for details of other mountings & knobs.

Cam Operated Rotary Switches [8536]

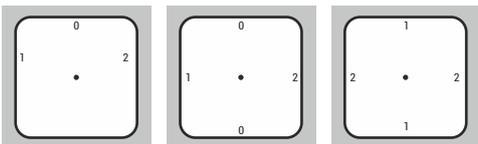


Isolators Switches (ON-OFF Switches)



60° Operation	90° Operation	90° Operation Complete Rotation	Description	M.R.P. (₹) Per Unit										
				6A (SAB13)	10A (SBB13)	16A (SCB03)	25A (SEB03)	32A (SFB03)	40A (SGB03)	63A (SIB03)	100A (SKB03)	200A (SNB03)		
Cat. No.: Program Code (First 5 digits), Next 5 digits in () # → ↓														
61001	61191	61195	1 Pole ON - OFF	165	270	370	410	515	665	775	3940	5095		
61002	61192	61198	2 Pole ON - OFF	210	305	425	505	600	800	990	4930	6640		
61003 [§]	-	-	3 Pole ON - OFF	225	370	765	960	1065	1340	1925	6680	8700		
-	61199	61197		225	370	495	665	745	930	1335	6075	8290		
61004	61194	61196	4 Pole ON - OFF	280	410	535	805	865	1055	1595	7030	9860		

Note : Offered upto 12 Pole
§ Motor Duty Switch (AC-3 Duty)

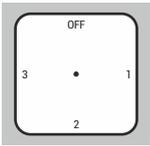


Changeover Switches (Local - Remote, Auto - Manual Switches)



With Center OFF (60°)	With OFF (90°)	Without OFF (90°) with Complete Rotation	Description	M.R.P. (₹) Per Unit										
				6A (SAB13)	10A (SBB13)	16A (SCB03)	25A (SEB03)	32A (SFB03)	40A (SGB03)	63A (SIB03)	100A (SKB03)	200A (SNB03)		
Cat. No.: Program Code (First 5 digits), Next 5 digits in () # → ↓														
61025	61151	61037	1 P 2W	210	340	470	515	580	775	1050	5095	7370		
61026	61152	61038	2 P 2W	280	405	535	695	805	1060	1595	7455	11230		
61027	61153	61039	3 P 2W	340	500	710	1050	1135	1335	2135	9660	14370		
61028	61154	61040	4 P 2W	425	585	820	1385	1450	1610	2685	12200	17940		

Phase Changeover (PS Series Switches)



Cat. No.: Program Code (First 5 digits), Next 5 digits in () # → ↓	Description	M.R.P. (₹) Per Unit			
		25A (PEB03)	32A (PFB03)	40A (PGB03)	63A (PIB03)
61060	1 P 3W with OFF	440	540	796	896

Phase Changeover in SS enclosure



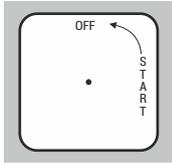
Cat. No.	Description	M.R.P. (₹) Per Unit			
		25A (E)	32A (F)	40A (G)	63A (I)
72347P □ M17TDYR.	PS Series Switches in SS enclosure	3557	3746	5536	5670

Note : Prices are available on request for higher than 4 Pole ON-OFF version.
Please contact nearest E&A branch office for prices.
For complete ordering code, Kindly refer Page No.10



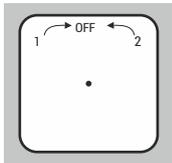
Secure Every Operation
IP-20 Finger-Safe Rotary Switches

ON - OFF Spring Return Switches



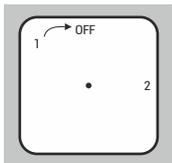
Description	Cat. No.: Program Code (First 5 digits), Next 5 digits in () # → ↓	M.R.P. (₹) Per Unit
		16A (SCB03)
1 P ON - OFF	61351	800
2 P ON - OFF	61352	840
3 P ON - OFF	61353	955
4 P ON - OFF	61354	1120

Double Throw with Spring Return Switches



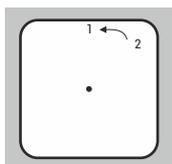
Description	Cat. No.: Program Code (First 5 digits), Next 5 digits in () # → ↓	M.R.P. (₹) Per Unit
		16A (SCB03)
1 P 2W W/OFF Spring Return	61361	840
2 P 2W W/OFF Spring Return	61362	1240
3 P 2W W/OFF Spring Return	61363	1350

One Side Spring Return Switches



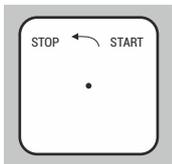
Description	Cat. No.: Program Code (First 5 digits), Next 5 digits in () # → ↓	M.R.P. (₹) Per Unit
		16A (SCB03)
1 P 3W Spring Return - OFF from 1	61364	765
2 P 3W Spring Return - OFF from 1	61365	1120
3 P 3W Spring Return - OFF from 1	61369	1230

Spring Return Switches without OFF



Description	Cat. No.: Program Code (First 5 digits), Next 5 digits in () # → ↓	M.R.P. (₹) Per Unit
		16A (SCB03)
1 P 2W Spring Return - from 2 to 1	61371	765
2 P 2W Spring Return - from 2 to 1	61372	1120
3 P 2W Spring Return - from 2 to 1	61373	1230

Start Stop Spring Return Switches

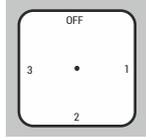


Description	Cat. No.: Program Code (First 5 digits), Next 5 digits in () # → ↓	M.R.P. (₹) Per Unit
		16A (SCB03)
1 P Start Stop Spring Return	61300	955
2 P Start Stop Spring Return	61388	1120

Note: Prices for 25A rating are available on request.
#For complete ordering code, kindly refer Page No. 10

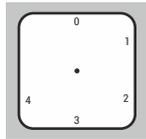


Multi Step Switches with OFF



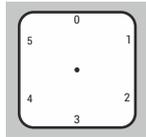
3 Way

Description	Cat. No. #	M.R.P. (₹) Per Unit									
		6A (SAB13)	10A (SBB13)	16A (SCB03)	25A (SEB03)	32A (SFB03)	40A (SGB03)	63A (SIB03)	100A (SKB03)	200A (SNB03)	
1 P 3W	61060	245	385	490	PS Series Switches (Refer page no. 2)					5175	7865
2 P 3W	61080	340	445	595	830	890	1290	1450	7610	12025	
3 P 3W	61100	495	600	1015	1230	1340	1725	2240	9935	15790	
4 P 3W	61131	630	775	1230	1540	1685	2305	2695	12555	19800	



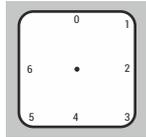
4 Way

1 P 4W	61061	290	350	710	870	965	1100	1495	7280	***
2 P 4W	61081	495	640	840	915	1065	1575	1750	12200	***
3 P 4W	61101	685	815	1330	1540	1765	2010	2695	18385	23745
4 P 4W	61132	825	1200	1695	1845	1970	2610	3105	25800	38700



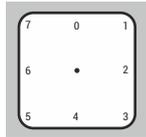
5 Way

1 P 5W	61062	315	450	755	1085	1100	1135	1605	***	14775
2 P 5W	61082	570	845	1090	1480	1745	1795	2245	***	***
3 P 5W	61102	760	1540	1895	2100	2315	2595	3045	24475	***



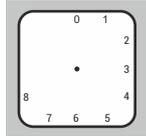
6 Way

1 P 6W	61063	415	560	790	1095	1120	1170	1785	***	***
2 P 6W	61083	685	***	1160	1725	2000	***	3765	***	***
3 P 6W	61103	950	***	2180	2475	2665	***	3130	***	***



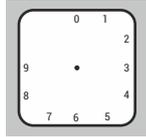
7 Way

1 P 7W	61064	425	630	855	1100	1160	1210	1875	***	***
2 P 7W	61084	715	***	1130	1730	1845	2565	2970	***	***
3 P 7W	61104	990	***	1835	2280	***	3500	4125	***	***



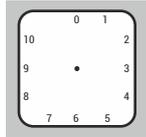
8 Way

1 P 8W	61065	480	685	850	1510	1690	1910	3095	***	***
2 P 8W	61085	780	***	1550	***	***	***	***	***	***



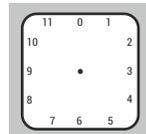
9 Way

1 P 9W	61066	495	***	***	***	***	***	***	***	***
2 P 9W	61086	885	***	2275	***	***	***	***	***	***



10 Way

1 P 10W	61067	570	835	1190	2585	***	***	***	***	***
2 P 10W	61087	920	***	***	***	***	***	***	***	***



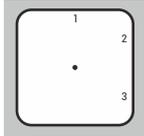
11 Way

1 P 11W	61068	685	***	1080	2825	***	***	***	***	***
2 P 11W	61088	1040	***	***	***	***	***	***	***	***

***Prices are available on request.

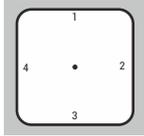
Program Code first 5 digits, Next 5 digits in (), For complete ordering code, kindly refer Page No.10

Multi Step Switches without OFF



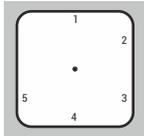
3 Way

Description	Cat. No. #	M.R.P. (₹) Per Unit								
		6A (SAB13)	10A (SBB13)	16A (SCB03)	25A (SEB03)	32A (SFB03)	40A (SGB03)	63A (SIB03)	100A (SKB03)	200A (SNB03)
1 P 3W W/O OFF	61049	230	370	500	640	665	1030	1165	***	7980
2 P 3W W/O OFF	61069	340	555	700	845	1270	1290	1520	7610	14370
3 P 3W W/O OFF	61089	495	685	1045	1230	1340	1725	2240	9935	15940
4 P 3W W/O OFF	61120	630	775	1215	1565	1665	3670	4055	***	20665



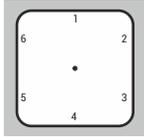
4 Way

1 P 4W W/O OFF	61050	260	400	600	770	805	1125	1560	5175	8155
2 P 4W W/O OFF	61070	385	605	710	905	1000	1345	1750	8000	12920
3 P 4W W/O OFF	61090	525	640	1130	1450	1605	1760	2355	10535	17420
4 P 4W W/O OFF	61121	730	840	1320	1755	1865	2355	3140	12945	22040



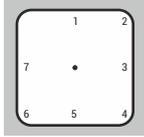
5 Way

1 P 5W W/O OFF	61051	315	415	655	865	1065	***	1605	6645	***
2 P 5W W/O OFF	61071	570	750	910	1390	1745	***	***	***	16370
3 P 5W W/O OFF	61091	760	1540	1730	1900	2085	2220	3130	***	20815



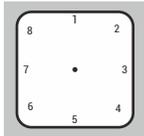
6 Way

1 P 6W W/O OFF	61052	330	675	815	965	1100	1300	1645	7610	14905
2 P 6W W/O OFF	61072	670	795	1095	1720	1770	1795	2295	15170	19500
3 P 6W W/O OFF	61092	810	1450	1860	2055	2130	2345	3130	25800	40785



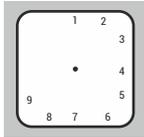
7 Way

1 P 7W W/O OFF	61053	415	630	740	1140	***	***	***	13415	***
2 P 7W W/O OFF	61073	715	***	1230	1755	***	***	3495	***	***
3 P 7W W/O OFF	61093	990	***	2030	2660	***	***	4215	***	***



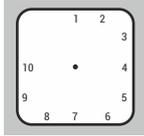
8 Way

1 P 8W W/O OFF	61054	425	745	920	1160	1220	1350	1980	12745	***
2 P 8W W/O OFF	61074	755	1185	1550	1830	1980	***	3835	***	***
3 P 8W W/O OFF	61094	1060	***	2215	2390	2440	2800	4425	***	***



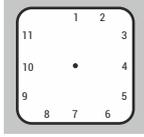
9 Way

1 P 9W W/O OFF	61055	495	***	1470	***	***	***	***	***	***
2 P 9W W/O OFF	61075	835	***	1540	***	***	***	***	***	***



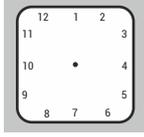
10 Way

1 P 10W W/O OFF	61056	530	800	1630	***	***	***	***	***	***
2 P 10W W/O OFF	61076	930	***	***	***	***	***	***	***	***



11 Way

1 P 11W W/O OFF	61057	980	***	***	***	***	***	***	***	***
2 P 11W W/O OFF	61077	1115	***	***	***	***	***	***	***	***



12 Way

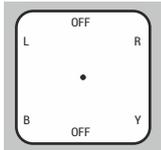
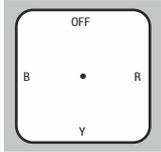
1 P 12W W/O OFF	61058	1035	***	1215	2920	3110	***	3925	***	***
2 P 12W W/O OFF	61078	1215	***	3625	***	***	***	***	***	***

***Prices are available on request.

Program Code first 5 digits, Next 5 digits in (), For complete ordering code, kindly refer Page No.10

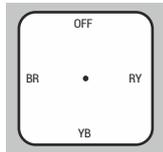


Ammeter Selector Switches (ASS)

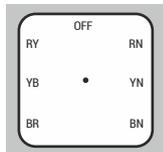


Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
Line Currents with OFF with CT	61325 SAB13TDYR	6A	340
Line Currents with OFF with CT	61325 SBB13TDYR	10A	360
Line Currents with OFF with CT	61325 SCB03TDYR	16A	530
Line Currents with OFF without CT	71000 SCB03TDYR	16A	1515
Direct Currents with OFF without CT	71000 SEB03TDYR	25A	1760
Direct Currents with OFF without CT	71000 SFB03TDYR	32A	2115
Direct Currents with OFF without CT	71000 SGB03TDYR	40A	3725
Direct Currents with OFF without CT	71000 SIB03TDYR	63A	3930

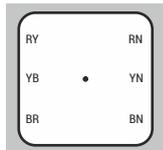
Voltmeter Selector Switches (VSS)



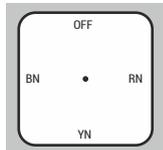
Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
Voltage between Phases with OFF	61312 SAB13TDYR	6A	250
Voltage between Phases with OFF	61312 SBB13TDYR	10A	330
Voltage between Phases with OFF	61312 SCB03TDYR	16A	475



Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
Voltage between Phases & Individual Phases to Neutral with OFF	61313 SAB13TDYR	6A	445
Voltage between Phases & Individual Phases to Neutral with OFF	61313 SBB13TDYR	10A	640
Voltage between Phases & Individual Phases to Neutral with OFF	61313 SCB03TDYR	16A	895

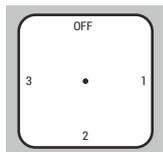


Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
Voltage between Phase & Phase to Neutral without OFF	61314 SBB13TDYR	10A	635



Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
Voltage between Phase & Phase to Neutral without OFF	61311 SAB13TDYR	6A	445

Ammeter & Voltmeter Combined Switch



Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
Voltage between Phases to Neutral & Current of that Phase	61338 SBB13TDYR	10A	675



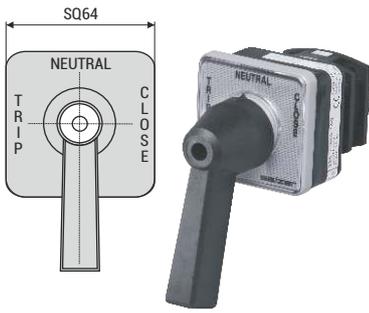
Control your breaker remotely
through TNC switch

Breaker Control Switches (Trip-Neutral-Close)

- › 1NO+1NO, 2NO+2NC model available in 25A
- › Barrel lock option available
- › Lost motion contact (LMD) & Sequence Locking available



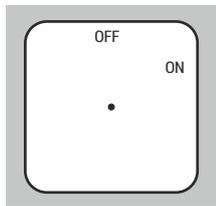
Breaker Control Switches (Trip - Neutral - Close)



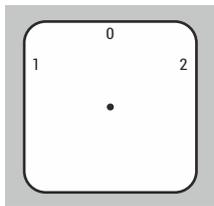
Rating	Contact Arrangement	Mounting Type	Cat. No.	M.R.P. (₹) Per Unit
25A	1Trip + 1Close	Standard	73257SEB03PGGB	1290
25A	1Trip + 1Close	Standard	73257SEB03PGYR	1290
25A	1Trip + 1Close	Standard	73257SEB03PGGB	1290
25A	1Trip + 1Close	Barrel Lock	73257SEB90PGGB	1820
25A	2Trip + 2Close	Standard	72009SEB03PGGB	1515
25A	2Trip + 2Close	Standard	72009SEB03PGYR	1515
25A	2Trip + 2Close	Standard	72009SEB03PGGB	1515
25A	2Trip + 2Close	Barrel Lock	72009SEB90PGGB	2230

Other option such as sequence inter lock (SIL) & lost motion device (LMD) available on request.

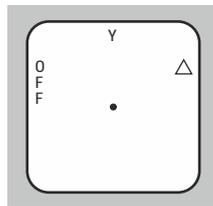
Motor Duty Switches



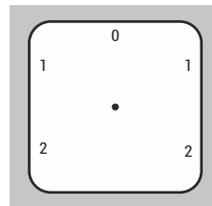
61003



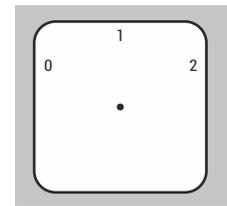
61211



61200



61217



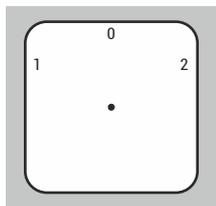
61212

Description	Cat. No. #	M.R.P. (₹) Per Unit						
		16A (SCB03)	25A (SEB03)	32A (SFB03)	40A (SGB03)	63A (SIB03)	100A (SKB03)	200A (SNB03)
ON - OFF Switch	61003	765	960	1065	1340	1925	6680	8700
FOR - OFF - REV Switch	61211	575	710	845	2210	2695	6655	10730
Star - Delta Switch	61200	765	1010	1265	1940	2485	***	***
2 Speed for FOR - OFF - REV Switch	61217	***	1825 [^]	***	3140	***	***	***
2 Speed forward Switch	61212	840	1660	2080	2620	3220	8325	9615

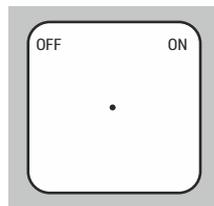
[^] Supplied only with ball grip handle

Program Code first 5 digits, Next 5 digits in (), For complete ordering code, kindly refer Page No.10

Switches in Enclosure



73393, 71913



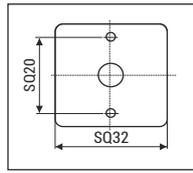
72244



Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
FOR - OFF - Rev in SS with ball grip handle	73393SCM17BGXB	16A	765
FOR - OFF - Rev in SS with ball grip handle	71913SEM17BGYR	25A	1165
FOR - OFF - Rev in SS with ball grip handle	71913SFM17BGYR	32A	1605
3 Pole ON - OFF in SS	72244SEM17TDYR	25A	1015
3 Pole ON - OFF in SS	72244SFM17TDYR	32A	1385
3 Pole 2Way Without OFF in SS	61153SCM17TDYR	16A	1180

For any other rating requirement please contact nearest E&A branch office

Rotary Switch Accessories [8538]



Front Plate Assembly

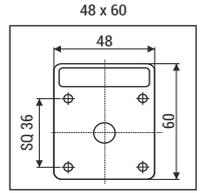
Description	Cat. No.	Size	M.R.P. (₹) Per Unit
Front Plate for 6 to 16A	FP16SQ48	48 x 48	35
Front Plate for 25 & 32A	FP32SQ64	64 x 64	75
Front Plate for 40 to 200A	FP200SQ88	88 x 88	110



Tear Drop Flag Knob Ball Grip Lever Handle

Handles & Knobs

Description	Cat. No.	Size	M.R.P. (₹) Per Unit
Flag Handle for 16A	KNFHS2	48 x 48, 48 x 60	20
Flag Handle for 25 - 32A	KNFHS3	64 x 64, 64 x 80	35
Ball Handle for 16 - 32A	HNBHS1	64 x 64, 64 x 80	100
Ball Handle for 40 - 63A	HNBHS2	88 x 88, 104 x 104	110
PG Handle for 16 - 32A	HNPGS1	64 x 64, 64 x 80	120
Lever Handle for 40 - 200A	HNLVS1	88 x 88, 104 x 104	155
Tear Drop for 6 - 16A	KNTDS1	48 x 48, 48 x 60	20
Tear Drop for 16 - 32A	KNTDS2	64 x 64, 64 x 80	35
Tear Drop for 40 - 400A	KNTDS3	88 x 88, 104 x 104	80



Special Front Plate Assembly

Description	Cat. No.	Size	M.R.P. (₹) Per Unit
SPL IND Plates upto 16A	FPRT4860	48 x 60	75
SPL IND Plates for 16 - 32A	FPRT6480	64 x 80	120

Script Plate (marking plate)

Description	Cat. No.	Size	M.R.P. (₹) Per Unit
Script Plate for 6 - 16A	SPSQ48	48 x 48	20
Script Plate for 16 - 32A	SPSQ64	64 x 64	25
Script Plate for 40 - 200A	SPSQ88	88 x 88	30
Script Plate for 6 - 16A	SPRT4816	48 x 16	10
Script Plate for 6 - 32A	SPRT6416	64 x 16	15

Mounting Plates (used for Back Fixing Plate)

Description	Cat. No.	Size	M.R.P. (₹) Per Unit
Rear MTG Plate for 6 - 16A	MPSQ48	48 x 48	15
Rear MTG Plate for 25 - 32A	MPSQ64	64 x 64	25
Rear MTG Plate for 40 - 63A	MPSQ88	88 x 88	70
Rear MTG Plate for 80 - 400A	MPSQ104	104 x 104	120
DIN Rail Attachment upto 32A	B21DIN35	-	110

Wall Type Mounting Boxes (upto 32A - maximum 4 Contacts)

Description	Cat. No.	M.R.P. (₹) Per Unit
Plastic / ABS Enclosure B17 16A upto 3 Stage / 25A upto 2 Stage	WMBABS	760
Aluminium Enclosure B17 16A upto 3 Stage / 25A upto 2 Stage	WMBAL	1255
SS Enclosure M17 upto 32A - 4 Stage	WMBSS	470



B31 PVC Enclosure

Note : Switches to be order separately.

Shrouding Cover (maximum 6 Contacts Round Type)

Description	Cat. No.	M.R.P. (₹) Per Unit
Shrouding Cover for 6 - 10A	SHCS1	80
Shrouding Cover for 16A	SHCS2	80
Shrouding Cover for 25 - 32A	SHCS3	115
Shrouding Cover for 40 - 63A	SHCS4	120
Special Cover for Extended Termination 80 - 400A (maximum 2 Contact Stage)	SHCS5	915

Ordering Code for Rotary Switches

Example for : 1. Programme Code 2. Type 3. Ampere 4. Mounting 5. Knob 6. Colour

25A 3 Pole 6 1 1 9 7 S E B 0 3 T D Y R

ON - OFF Switch

1. Programme Code

Programme	Programme Code
Isolators	Pg. No. 1
Changeovers Switches	Pg. No. 1
Phase Changeovers Switches	Pg. No. 2
Spring Return Switches	Pg. No. 3
Multistep Switches with OFF	Pg. No. 4
Multistep Switches without OFF	Pg. No. 5
Instrumentation Switches	Pg. No. 6
Motor Control Switches	Pg. No. 8
Switches in SS Enclosure	Pg. No. 8
Breaker Control Switches	Pg. No. 8

2. Type Selection

Type	Code
S-Series (6 to 400A)	S
Touch Proof (6 to 16A)	T
Rear Access Termination (16 to 63A)	R
Phase Selector Only for 1 Pole 3 Way with OFF (25 to 63A)	P
DC Switches (16 to 500A)	D



S Series
Open Version



TP Series
Touch Proof



RT Series
Touch Proof &
Rear Termination

3. Ampere Selection

Ampere	Code	Ampere	Code
6	A	100	K
10	B	125	L
16	C	160	M
20	D	200	N
25	E	250	O
32	F	300	P
40	G	400	Q
50	H	500	R
63	I	600	S
80	J	800	T

4. Mounting Style



B03/B13
Standard Mounting



B19/B14
Single Hole Mounting



B33
Round Padlock



B30
Rectangular Padlock



B63
Key Lockable Type



B17
ABS Enclosure



M17
Metal Enclosure



B02
Rear/Base Mounting



B21
DIN Rail Mounting



B42
Rear Mounting with Door Interlock

5. Knob / Handle Selection

Code - TD	Code - FH	Code - PG	Code - BG	Code - LV
				
Tear Drop	Flag Knob	Pistol Grip	Ball Grip	Lever Handle

Front Plate

Standard Style	Frame Size	Bigger Style
Current Ratings 6/10 Amps		Current Ratings ---
16/20 Amps		6/10 Amps
25/32 Amps		16/20 Amps
S40 Amps & above		25/32 Amps
-		S40 Amps & above

6. Color Combination Selection Table

Code - YR	Code - GB	Code - BB	Code - AB
			
Yellow Front Plate Red Knob	Grey Front Plate Black Knob	Black Front Plate Black Knob	Aluminum Foil with Black Knob

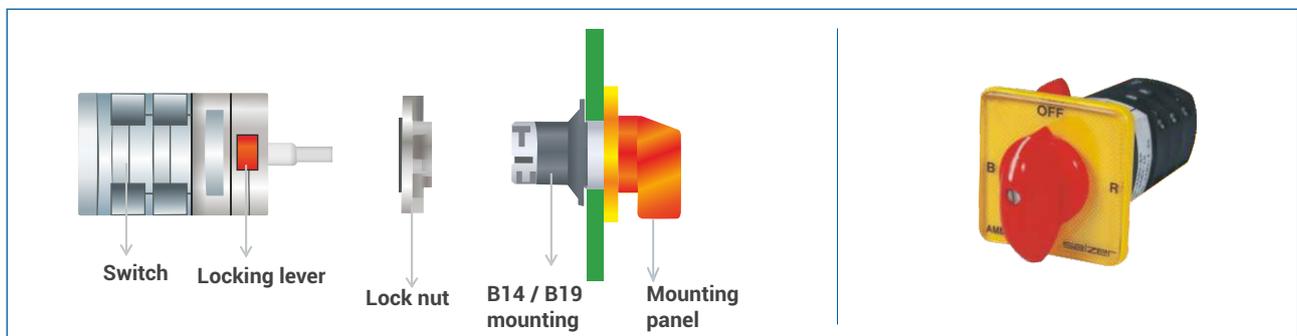
Note : 1. For ratings of 6/10A, standard mounting style is B13
2. Single hole mounting equivalent of B03 is B19 and B13 is B14.

Mounting Feasibility

Mounting Code	Description	Feasibility					
		6/10A	16/20A	25/32A	40/63A	80/100/125A	200/400A
B03	Front Mounting, Standard Mounting plate		✓	✓	✓	✓	✓
B13	Front Mounting with next size plate	✓	✓	✓	✓	✓	✓
B00	Front Mounting 48 x 48 plate for 25/32A and 64 x 64 plate for 40/63A			✓	✓		
B19	Single Hole Mounting 32 x 32 plate for 6/10A only 48 x 48 Plate for 16-32A	✓	✓	✓			
B14	Single Hole Mounting 48 x 48 plate for 6/10A	✓					
B33	Front Mounting with Round Padlock for 2 Position (for Isolators)		✓	✓	✓	✓	✓
B30	Front Mounting with Rectangular Padlock 2 Position (for Isolators)		✓	✓	✓	✓	✓
B63	Key Lockable type (Handle/Knob)		✓	✓	✓		
B90	Center Key Lock (Pistol grip Handle in black color only)		✓	✓			
B02	Rear / (Back/Base) Mounting	✓	✓	✓	✓	✓	✓
B21	DIN Rail Mounting on 35 mm Rail 6-32 Amps	✓	✓	✓			
B32	Rear / Base Mounting, Door Interlock + Rectangular Padlock (B30+B42)Base		✓	✓	✓	✓	✓
B34	Rear / Base Mounting Door Interlock + Round Padlock (B33+B42)		✓	✓	✓	✓	✓
B41	Rear Mounting with Clutch Mechanism on Door (Door Open in all position without Interlock)		✓	✓	✓	✓	✓
B42	Rear Mounting with Interlock Mechanism on Door		✓	✓	✓	✓	✓
F47	Door Clutch, Mounting Plate at front		✓	✓	✓	✓	✓
B17	ABS Enclosure Max stages	upto 4	upto 3	upto 5	upto 5		
B31	ABS Enclosure with Round Padlock (B33+B17) Max stages		upto 2	upto 2	upto 2		
M17	Metal Enclosure Max stages	upto 4	upto 4	upto 3			
A17	Aluminium Enclosure Max stages	upto 4	upto 3	upto 2			
B40	Single Hole Mounting with Padlock 48 x 48 Plate For 16-32A		✓	✓			
B43	Single Hole Mounting with Center key 48 x 48 Plate for 16-32A		✓	✓			
B45	Single Hole Mounting with Round Ring with Knob 16A-32A		✓	✓			

Single Hole Mounting Rotary Switch

Single hole mounting (SHM) range of rotary switches uses a unique mounting concept that requires just a single Ø22.5 cutout to mount the switches on the panel. These help in reducing the time and cost during assembly.



Benefits :

- › Single hole panel cutout - makes easier for fitting on the panel
- › Easy mounting - reduces assembly time by 50% over conventional 5 hole mounting
- › Wiring accessibility - reduces wiring time, the switch can be wired separately and then snap fitted to the mounting assembly using the locking lever.

3 Pole EB - GEN Changeover Switches



B13 Mounting

Description	Cat. No.	M.R.P. (₹) Per Unit						
		25A (E)	32A (F)	40A (G)	63A (I)	80A (J)	100A (K)	125A (L)
3 Pole C/O Front Panel Mounting	EBX31153B13BGYR	2601	2709	3160	3288	*	*	*
3 Pole C/O Rear Mounting	EBX31153MB42BGYR	3018	3127	3640	3754	6709	8394	10485
3 Pole C/O in SS Enclosure	EBX31153SB31BGYR	3608	3706	4290	4417	*	*	*
3 Pole C/O Rear Mounting	EBX31153B21BGYR	3018	3127	3640	3754	6709	8394	10485
3 Pole C/O Rear Mounting	EBX31153MB34LHGB	3018	3127	3640	3754	6709	8394	10485
3 Pole C/O in Polycarbonate Enclosure	EBX31153B31LBGYR	3608	3706	4290	4417	*	*	*
3 Pole C/O in SS Enclosure	EBX31153SB31XLLHYR	*	*	*	*	9481	11154	13245

4 Pole EB - GEN Changeover Switches



MB42 Mounting

Description	Cat. No.	M.R.P. (₹) Per Unit						
		25A (E)	32A (F)	40A (G)	63A (I)	80A (J)	100A (K)	125A (L)
4 Pole C/O Front Panel Mounting	EBX31154B13BGYR	3018	3127	3706	3814	*	*	*
4 Pole C/O Rear Mounting	EBX31154MB42BGYR	3399	3530	4168	4356	8461	10587	13225
4 Pole C/O in SS Enclosure	EBX31154SB31BGYR	4023	4179	4847	5019	*	*	*
4 Pole C/O Rear Mounting	EBX31154B21BGYR	3399	3530	4168	4339	8461	10587	13225
4 Pole C/O Rear Mounting	EBX31154MB34LHYR	3399	3530	4168	4339	8461	10587	13225
4 Pole C/O in Polycarbonate Enclosure	EBX31154B31LBGYR	4023	4179	4847	5019	*	*	*
4 Pole C/O in SS Enclosure	EBX31154B31XLLHYR	*	*	*	*	11232	13343	15997

Rating Selection Table



SB31 Enclosure

Ampere (A)	Code (□)
25	E
32	F
40	G
63	I

Note : SB 31 Enclosure for 25A to 63A ratings.

B21 Mounting model is similar to B13 model with links provided on the common side.

*** - Please contact nearest E&A branch office.

Load Break Switches [8536]

AC ON LOAD ISOLATORS

- › AC 23 Utilization category
 - › Range from 16-125 Amps upto 8 pole
 - › Multiple mounting options, ABS / Aluminium sheet steel enclosures / IP65 / NEMA Rated
 - › Add on pole Power / Neutral & Auxiliary pole
 - › Changover switches from 25-125 Amps upto 4 poles
- Confirms to IEC 60947-1 & 3, EN 60947-3, UL60947-4-1



LB 3 Pole ON - OFF Switches

Description	Cat. No.	Can also be given on request	M.R.P. (₹) Per Unit								
			16A (C)	20A (D)	25A (E)	32A (F)	40A (G)	63A (I)	80A (J)	100A (K)	125A (L)
Single Hole MTG Switch with Flag Knob	LBX32300B19FPYR		893	911	*	*	*	*	*	*	*
Front Plate MTG with Flag Knob	LBX32300B40FPYR		868	893	*	*	*	*	*	*	*
Front Panel MTG with B03 (48x48) Plate	LBX32300B03FLYR	32309	794	813	880	911	1047	1123	*	*	*
Front Panel MTG with B13 (64x64) Plate with Flag Knob	LBX32300B13FLYR	32306/32309	794	813	880	911	1047	1123	2839	3562	4474
Front Panel MTG with B13 (64x64) Plate with BG Handle	LBX32300B13BGYR	32309	*	*	968	1001	1133	1197	*	*	*
DIN Rail MTG Switch with Flag Knob	LBX32300B23FLGB		*	*	880	911	1047	1123	*	*	*
Rectangular Pad Lock Switch with TDYR	LBX32300B30TDYR		*	*	1065	1123	1232	1296	*	*	*
Round Pad Lock Switch with RDYR	LBX32309B33RDYR		868	892	968	1001	1133	1197	3078	3842	4801
Switch with B63 Lock & Key Version	LBX32309B63TDYR		*	*	1472	1539	1667	1712	*	*	*
Base MTG Switch with DIL and Pad Lock	LBX32309MB34RDYR		1386	1429	1539	1624	1691	1820	4101	5120	6401
Base MTG Switch with BG Handle	LBX32309MB42BGYR		1386	1429	1539	1624	1691	1820	4101	5120	6401
Switch in Polycarbonate Enclosure - in B31SM	LBX32300B31SMRDYR		1759	1812	1957	2007	*	*	*	*	*
Switch in Polycarbonate Enclosure - in B31M	LBX32309B31MRDYR		*	*	*	*	2195	2251	*	*	*
Switch in Polycarbonate Enclosure - in B31L with Leech Handle	LBX32309SB31LLHYR		*	*	*	*	*	*	5776	6807	8078
Switch in SS Enclosure - in SB31L with Leech Handle	LBX32309SB31LLHYR		*	*	*	*	*	*	5776	6807	8078

LB 4 Pole ON - OFF Switches

Description	Cat. No.	Can also be given on request	M.R.P. (₹) Per Unit								
			16A (C)	20A (D)	25A (E)	32A (F)	40A (G)	63A (I)	80A (J)	100A (K)	125A (L)
Single Hole MTG Switch with Flag Knob	LBX32400B19FPYR		1109	1133	*	*	*	*	*	*	*
Front Plate MTG with Flag Knob	LBX32400B40FPYR		1090	1109	*	*	*	*	*	*	*
Front Panel MTG with B03 (48x48) Plate	LBX32400B03FLYR	32409	1012	1034	1124	1155	1352	1429	*	*	*
Front Panel MTG with B13 (64x64) Plate with Flag Knob	LBX32400B13FLYR	32406/32409	1012	1034	1124	1155	1352	1429	3485	4373	5480
Front Panel MTG with B13 (64x64) Plate with BG Handle	LBX32400B13BGYR	32409	1211	1243	1440	1506	*	*	*	*	*
DIN Rail MTG Switch with Flag Knob	LBX32400B23FLGB		*	*	1124	1155	1352	1429	*	*	*
Rectangular Pad Lock Switch with TDYR	LBX32400B30TDYR		*	*	1306	1362	1535	1604	*	*	*
Round Pad Lock Switch with RDYR	LBX32409B33RDYR		1090	1109	1211	1243	1440	1506	3562	4447	5560
Switch with B63 Lock & Key Version	LBX32409B63TDYR		*	*	1712	1780	1973	2019	*	*	*
Base MTG Switch with DIL and Pad Lock	LBX32409MB34RDYR		1604	1647	1780	1864	2000	2130	4749	5929	7409
Base MTG Switch with BG Handle	LBX32409MB42BGYR		1604	1647	1780	1864	2000	2130	4749	5929	7409
Switch in Polycarbonate Enclosure - in B31SM	LBX32400B31SMRDYR		1973	2032	2195	2249	*	*	*	*	*
Switch in Polycarbonate Enclosure - in B31M	LBX32409B31MRDYR		*	*	*	*	2500	2556	*	*	*
Switch in Polycarbonate Enclosure - in B31L with Leech Handle	LBX32409SB31LLHYR		*	*	*	*	*	*	6425	7616	9088
Switch in SS Enclosure - in SB31L with Leech Handle	LBX32409SB31LLHYR		*	*	*	*	*	*	6425	7616	9088
Auxiliary Contact	FM / RM		223	223	275	275	275	275	813	813	813
Add-on Contact Additional Pole	FM / RM		223	223	275	275	275	275	813	813	813

Note : Standard packing upto 63A switches is 5 Nos.

All Switches are Engineered with Nylon material Housing



Ordering Code for Load Break and Changeover Switches

LB Load Break Switch	 Switch Rating	XXXXX Programme Code	XXXXX Mounting Options	XX Knob Options	XX Colour
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Example

LB Switches, 63A, 3P, 9 O'clock, 4 hole front mounting, with metal shaft, yellow front plate, red knob

LB I 32309 MB34 RD YR

LB	I	32309	MB34	RD	YR	Description
						Yellow Front Plate/ Red Knob
						64 x 64 Front Plate Round Knob with Padlock (R)
						Metal Shaft with Round Knob with Padlock and Interlock
						3Pole 9 O' Clock "OFF"
						63A
						Load Break Switch

Accessories

LB X Switch Rating	X F-Front Mounting R-Rear Mounting	XX MC-Main Module NC-Neutral Module AC-Auxiliary Module	XXX 20 - 16A to 20A 32 - 25A to 32A 63 - 40A to 63A 80 - 80A 125 - 100A, 125A & 80A
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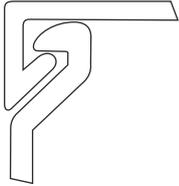
LB	I	R	NC	32	Description
					32A
					Neutral Module
					Rear Mounting
					63 A
					Load Break Switch

Rating Selection Table

Ampere (A)	Code (□)
16	C
20	D
25	E
32	F
40	G
63	I
80	J
100	K
125	L

*** **Note** : Please contact nearest E&A branch office.

Type B



Non slip cover design of minimum encumbrance and maximum grip



B Type

- * Non - slip cover
- * Positive locking

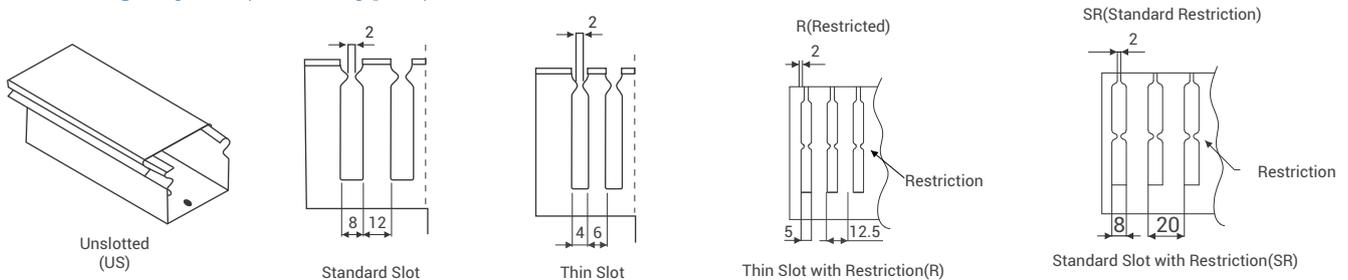
Description	1 meter					2 meter			
	W x H	Cat. No. (Standard slot)	M.R.P. (₹) Per Unit	Std. Pkg.	Min Order Qty	Cat. No. (Standard slot)	M.R.P. (₹) Per Unit	Std. Pkg.	Min Order Qty
B 25 x 25	WWB2525SG	119	70	70	WWB2525SG2	238	36	36	
B 25 x 30	WWB2530SG	128	100	100	WWB2530SG2	256	36	36	
B 25 x 40	WWB2540SG	156	75	75	WWB2540SG2	312	36	36	
B 25 x 45	WWB2545SG	162	75	225	WWB2545SG2	324	36	108	
B 25 x 60	WWB2560SG	205	50	50	WWB2560SG2	410	18	18	
B 25 x 80	WWB2580SG	278	50	50	WWB2580SG2	556	18	18	
B 25 x 100	WWB25100SG	353	25	25	WWB25100SG2	706	18	18	
B 30 x 20	WWB3020UG	156	100	200	WWB3020UG2	312	36	180	
B 30 x 80	WWB3080SG	385	50	200	WWB3080SG2	770	18	90	
B 40 x 40	WWB4040SG	205	50	50	WWB4040SG2	410	18	18	
B 45 x 45	WWB4545SG	212	50	50	WWB4545SG2	424	18	18	
B 40 x 60	WWB4060SG	248	50	50	WWB4060SG2	496	18	18	
B 40 x 80	WWB4080SG	294	50	50	WWB4080SG2	588	18	18	
B 40 x 100	WWB40100SG	369	25	25	WWB40100SG2	738	12	12	
B 45 x 20	WWB4520UG	163	75	225	WWB4520UG2	326	36	180	
B 50 x 100	WWB50100SG	424	30	90	WWB50100SG2	848	12	60	
B 60 x 20	WWB6020UG	222	50	200	WWB6020UG2	444	18	90	
B 60 x 40	WWB6040SG	248	50	50	WWB6040SG2	496	18	90	
B 60 x 60	WWB6060SG	294	50	50	WWB6060SG2	588	12	12	
B 60 x 80	WWB6080SG	382	40	40	WWB6080SG2	764	12	12	
B 60 x 100	WWB60100SG	503	30	30	WWB60100SG2	1006	8	8	
B 72 x 64	WWB7264SG	353	32	96	WWB7264SG2	706	18	90	
B 75 x 75	WWB7575SG	496	32	96	WWB7575SG2	992	8	40	
B 75 x 100	WWB75100SG	519	25	75	WWB75100SG2	1038	8	40	
B 80 x 40	WWB8040SG	300	50	100	WWB8040SG2	600	12	60	
B 80 x 60	WWB8060SG	397	40	80	WWB8060SG2	794	12	60	
B 80 x 80	WWB8080SG	494	32	32	WWB8080SG2	988	12	12	
B 80 x 100	WWB80100SG	555	24	24	WWB80100SG2	1110	8	8	
B 100 x 60	WWB10060SG	473	30	30	WWB10060SG2	946	8	8	
B 100 x 80	WWB10080SG	555	25	25	WWB10080SG2	1110	8	8	
B 100 x 100	WWB100100SG	809	18	18	WWB100100SG2	1618	8	8	
B 120 x 80	WWB12080SG	786	18	90	WWB12080SG2	1572	8	40	
B 150 x 100	WWB150100SG	1010	12	48	WWB150100SG2	2020	4	40	
B 150 x 150	WWB150150SG	2195	8	80	WWB150150SG2	4390	2	40	

Note : 1) For any special colour request additional 10% will be charged on price. For cut length additional 10% will be charged.
 2) Thin / Unslot will be supplied on request. For thin slot replace the cat. number ending with SG by TG,
 For un slotted channel replace the cat. number ending with SG by UG. MRP will be same as standard slot.

Covers for FRLS Cable Duct (Cable duct comes with default covers, following are spare offerings)

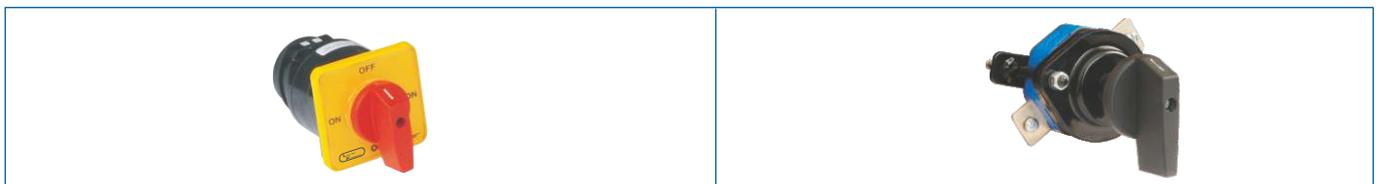
	Description	Cat. No.	M.R.P. (₹) Per Unit
		Cover for 15 mm A type	CCA15SG
Cover for 25 mm A type		CCA25SG	48
Cover for 30 mm A type		CCA30SG	59
Cover for 45 mm A type		CCA45SG	92
Cover for 60 mm A type		CCA60SG	110
Cover for 75 mm A type		CCA75SG	139
Cover for 80 mm A type		CCA80SG	165
Cover for 100 mm A type		CCA100SG	202
Cover for 25 mm B type		CCB25SG	50
Cover for 30 mm B type		CCB30SG	61
Cover for 40 mm B type		CCB40SG	76
Cover for 45 mm B type		CCB45SG	94
Cover for 50 mm B type		CCB50SG	113
Cover for 60 mm B type		CCB60SG	113
Cover for 72 mm B type		CCB72SG	143
Cover for 75 mm B type		CCB75SG	143
Cover for 80 mm B type		CCB80SG	171
Cover for 100 mm B type		CCB100SG	208
Cover for 120 mm B type	CCB120SG	222	
Cover for 150 mm B type	CCB150SG	260	

Slotting Styles (A & B Types)



DC Switches

- › Available from 16A to 500A
- › Used for railway coaches lighting & fan circuits switching, all DC power circuits - Railways, Telecommunications & Power plants, Battery charging equipment
- › Please contact nearest branch office for prices



These products are manufactured by

salzer

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Products with CAT no. having, with or without, dot as suffix are same.

Control & Protect Your Panels with **Precision & Reliability**



Earth Leakage Relay

Built on Trust. Designed for high performance.

LED Indications for power on, alarm and trip for easy identification

Ease of programming using dial and dip switches

MODBUS RS485 communication port available

Wide trip time setting from 0-10 sec

ULTIMATE DIGITAL VOLTAGE MONITORING RELAY WITH ADVANCED NEUTRAL LOSS FEATURE



SWITCH TO DIGITAL VOLTAGE MONITORING RELAY-SM800

- › Equipped to detect neutral loss, phase asymmetry, phase sequence, OV and UV
- › Best Suited for 3 Phase (3W/4W) system with voltage range of 145-500V AC
- › Configurable power on delay, off delay & on delay
- › Flexible to adapt to specific application needs.
- › Stores last five fault history and can also be enabled for password protection
- › Configurable output (1&2 C/O) contact for energizes to trip or de-energizes to trip

Timing Devices, Supply Monitors & ELR

Timers [9107]

Micon 175	Type	Time	Voltage	Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
	ON Delay	0.3 sec - 30 hrs	240 VAC/24 VAC/DC	1 C/O	120DT4	795
110 VAC/24 VAC/DC						
12 VDC						
ON Delay & Interval	0.1 sec - 100 hrs	240 VAC/24 VAC/DC	1 C/O	12WDTC	1060	
Star Delta Timer	3 sec - 120 sec	240 VAC	1 NO (Star)+1 NO (Delta)	12SDT0	895	
	3 sec - 30 sec	240 - 415 VAC	1 C/O (Star)+1 C/O (Delta)	14SDT1S	1360	
Signal OFF Delay	0.3 sec - 30 hrs	240 VAC/24 VAC/DC	1 C/O	12RDT4	1000	
	0.3 sec - 30 hrs	12 VDC				
Multifunction Timer	0.1 sec - 100 hrs	12 - 240 VAC/DC	1 C/O	1CMDT0	1700	
			2 C/O	1CMDTF	1810	
Asymmetrical ON/OFF & OFF/ON	0.1 sec - 100 hrs	12 - 240 VAC/DC	1 C/O	1CJDT0	1700	
One Shot	0.3 sec - 30 hrs	110 VAC/24 VAC/DC	1 C/O	11BDT4	1265	
		240 VAC/24 VAC/DC				
		12 VDC				
Forward Pause Reverse Timer	ON time : 6 sec -60 min Pause time : 0.1 sec-200 sec	12 - 240 VAC / DC	2 C/O	1CZDTF	1810	



Pause time for Micon 175 star delta timer is 60 msec

1CMDT0 contains ON Delay, Impulse, Signal ON delay, Cyclic ON/OFF, Cyclic OFF/ON, Signal OFF Delay, Signal OFF/ON, Accumulative Delay ON signal, Impulse ON/OFF, Leading edge impulse, Trailing edge impulse, Leading edge Bistable

On Delay and Star Delta Timer Precision in Every pulse. Reliability in Every Start



 Micon 225	Type	Timing Range	Voltage	Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
	ON Delay	0.1 sec - 10 hrs	24 - 240 VAC/DC	2 C/O	2AODT5	1605
	Star Delta Timer	3 sec - 120 sec	24 - 240 VAC/DC	1 NO (Star)+1 NO (Delta)	2ASDT0	1685
			240 - 415 VAC		2BSDT0	1985
	Multifunction Timer	0.1s to 120 days	24 - 240 VAC/DC	2 C/O (1 Inst+1 Delayed)	2A8DT6	1805
	Multifunction Multirange	0.1 sec - 10 hrs	24 - 240 VAC/DC	2 C/O	2A5DT5	1785
			240 - 415 VAC		2B5DT5	2145
	Signal Base Multi function - Multirange	0.1 sec - 10 hrs	24 - 240 VAC/DC	1 C/O	2ANDT0	1895
	Multifunction Timer 6 Functions	0.1 sec - 10 hrs	24 - 240 VAC/DC	2 C/O (1 Inst+1 Delayed for 6th Mode)	2A6DT6	1910
240 - 415 VAC			2B6DT6		1945	
True OFF Delay	0.6 sec - 600 sec	24 - 240 VAC/DC	2 C/O	23GDT0	2620	
Asymmetrical ON/OFF	0.1 sec - 10 hrs	24 - 240 VAC/DC	2 C/O	2AADT5	2020	

Pause time for Micon 225 star delta timer is 60 msec, 90 msec, 120 msec, 150 msec

Major timing functions

2A5DT5, 2B5DT5, 2A6DT6* and 2B6DT6* contains ON Delay, Interval, Cyclic ON/OFF, Cyclic OFF/ON, One Shot, ON Delay, On Delay (1 Inst + 1 Delayed)*

2ANDT0 contains ON Delay, Interval, Signal ON Delay, Accumulative ON Delay, Signal OFF Delay, Signal OFF/ON Delay, Leading edge impulse

2A8DT6 contains ON Delay, Impulse, Signal ON delay, Signal OFF delay, Step mode, One shot, Interval, Cyclic ON/OFF, Cyclic OFF/ON, Signal OFF Delay, Accumulative Delay ON signal, Impulse ON/OFF.

 Digital Timer DIGICON	Functions	Timer	Voltage	Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
	8 Functions	0.1 sec - 999 hrs	24 - 240 VAC/DC	1 C/O	V0DDTS	1905
			24 - 240 VAC/DC	2 NO	V0DDTD	1905
	18 Functions	0.1 sec - 999 hrs	24 - 240 VAC/DC	1 C/O	V0DDTS1	2155
24 - 240 VAC/DC			2 NO	V0DDTD1	2155	

V0DDTS and V0DDTD contains On Delay, Signal OFF Delay, Cyclic ON/OFF, Signal OFF/ON, Cyclic OFF/ON, Interval, Signal ON/OFF, One Shot output
V0DDTS1 and V0DDTD1 contains ON Delay, Cyclic OFF/ON, Cyclic ON/OFF, Impulse on energizing, Accumulative Delay ON Signal, Accumulative Delay on Inverted signal, Accumulative Impulse ON signal, Signal ON Delay, Inverted Signal On delay, Signal OFF Delay, Impulse ON/OFF, Signal OFF/ON, Leading edge impulse, Trailing edge impulse, Delayed impulse, Negative edge impulse.

 Motor Restart Timer	Functions	Timer	Voltage	Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
	Motor Restart Timer	Memory time Tm: 0.2 to 6 sec	110 VAC	1 C/O	23LDT0	2110
		Delay time Td: 0.2 to 60 sec	240 VAC		22LDT0	2110

Time Switches [9107]

 FM1 / Quartz	Product Description		Cat. No.	M.R.P. (₹) Per Unit
	FM1 / Quartz Daily	110 VAC - 240 VAC Base/DIN Mounting		

150 Hrs Battery Backup

 Digital Time Switch	Product Description		Cat. No.	M.R.P. (₹) Per Unit
	Time Switch (Crono)	110 - 240 VAC 1 C/O Base/DIN 25 ON/OFF Each		
Time Switch (Crono Pro)	24 VDC 1 C/O Base/DIN 25 ON/OFF Each	6GHDT0	3015	
	12 VDC 1 C/O Base/DIN 25 ON/OFF Each	69HDT0	3175	
	110 - 240 VAC 2 C/O Base/DIN 50 ON/OFF Each	WT2DCDS	3615	
Time Switch (Pulse) *	110 - 240 VAC 1 C/O Base/DIN 16 Pulse	67DDT9	2965	
	24V DC 1 C/O Base /Din 16 Pulse	6GHDT9	3345	
	12V DC 1 C/O Base /Din 16 Pulse	69HDT9	3515	

Crono Pro Crono / Pulse

* For bell and siren application

 Astro	Product Description		Cat. No.	M.R.P. (₹) Per Unit
	Astro Mini	110 - 240 VAC 1 Phase - 2W 1 C/O , Base/Din		
Astro Pro	110 - 240 VAC 1 Phase - 2W 2 C/O , Base/Din 50 ON/OFF Each	AS2DCDS	6070	
Astro	110 - 240 VAC 3 Phase - 4W 3 Channel 3 N/O , Base/Din	T3DDT0	12500	

Astro Pro Astro Mini

Note : Astro Mini / Astro Pro is used for lighting control based on sunrise / sunset timings by latitude / longitude settings.



Supply Monitoring Devices [9032]

› SPP includes single phasing, phase sequence and phase unbalance monitoring with auto reset

Voltage Monitoring Relay Series	Type	Supply Monitoring Type	Time delay	Asymmetry	Voltage & Contact Arrangement		Cat. No.	M.R.P. (₹) Per Unit				
 <p>SM 301</p>  <p>SM 500</p>  <p>SM 500 with Neutral Loss Protection</p>	SM301 (3Ph, 3W)	Single Phasing Preventor (SPP*) Fail Safe	ON Delay 2 sec and OFF Delay 7 sec	65 VAC Asymmetry	415 VAC, 1 C/O	MA51BC	1120					
					415 VAC, 2 C/O	MC21B5	1635					
					415 VAC, 1 C/O	MA51BK	1110					
	SM301 (3Ph, 3W)	Phase loss monitoring Non Fail Safe Type	OFF Delay 500 msec and Recover Delay 2 Sec	30% Fixed	-	415 VAC, 1 C/O	MA59B5	1285				
							240 VAC, 1 C/O	MD71B9	1735			
								MD71BH	1735			
	SM500 (3 Ph / 1 Ph, 4W)	Selectable Under Voltage + Selectable Over Voltage	-	-	-	240 VAC, 1 C/O	MD71BF	2030				
							Single Phasing Preventor + Selectable Under Voltage + Selectable Over Voltage	Selectable ON Delay (0 to 15 min) & OFF Delay 5 sec	Phase Asymmetry 10% fixed	240 VAC, 2 C/O	MG73B9	2120
								Selectable ON Delay (0 to 15 sec) & OFF Delay 5 sec	Phase Asymmetry 10% fixed		MG73BH	2120
		Selectable OFF Delay (0 to 15 sec) & ON Delay 5 sec	Phase Asymmetry 10% fixed	MG73BF	2120							
SPP + UV/OV, with fixed UV (173 V) & OV (288 V)		Selectable ON (10 Sec) and OFF Delay (5 Sec)	Phase Asymmetry 20% fixed	MG73BR	2120							
SPP + Selectable UV + Selectable OV with Neutral Loss Protection		ON Delay 5 sec and OFF Delay 5 sec, 500ms-1s for Neutral fail	94 VAC Asymmetry	415 VAC, 3 Ph 4W, 2 C/O	MAC04 D0100	2120						
 <p>SM 501</p>	SM501 (3 Ph, 3W)	Single Phasing Preventor + Selectable Under Voltage + Selectable Over Voltage	Selectable ON Delay and OFF Delay 15 sec	Selectable Asymmetry (5% to 17%)	415 VAC, 2 C/O	MB53BM	2155					
						Selectable ON Delay 15 sec & OFF Delay 5 sec	Phase Asymmetry 10%	MG53BH	2155			
	Selectable OFF Delay 15 sec & ON Delay 5 sec	Phase Asymmetry 10%	MG53BF	2155								
	ON Delay 5 sec and OFF Delay 5 sec	65 VAC Asymmetry	MG53BI	2035								
	ON Delay 3 min and OFF Delay 5 sec UV 85% of $\frac{1}{\sqrt{3}}$ OV 110% of $\frac{1}{\sqrt{3}}$	Phase Asymmetry 10%	MG53BO	2035								
 <p>SM 800</p>	SM 800 (3PH/ 3W, 4W)	Single Phasing Preventor+ Selectable Under Voltage + Selectable Over Voltage + Neutral Loss (Applicable for 3P4W).	Power ON Delay (0 to 999 sec) , OFF Delay (0.1 to 999 sec) & ON delay (0.5 to 999 sec)	Voltage: 5 to 99 VAC (Default 60V) , Percentage : 2 to 50% (Default 10%)	145-500 VAC (Line Voltage), 1C/O	DMS110	2065					
					145-500 VAC (Line Voltage), 2C/O	DMS120	2185					
					85-300 VAC/DC (Auxiliary Supply) (P-N), 2 C/O	DMA220	2410					
 <p>SM 600 (MMR)</p>	SM 600 (3P, 3W)	Phase loss+ Phase Sequence +Phase Asymmetry + UV + OV+3 phase interruption	Power ON delay (5s Fixed),ON delay (1-30 sec or Fixed), OFF delay (0.1 - 30 sec or Fixed)	Voltage +_ 1% of set value	500V -1000V AC 2 C/O	SMB110	9435					

Note : 3 Ph 3W - 3 Phase 3 Wire system; 3 Ph 4W - 3 Phase 4 Wire system.

Voltage Monitoring Relay Series	Type	Supply Monitoring Type	Time delay	Asymmetry	Voltage & Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit	
	 <p>SM175 3 Ph, 3W</p>  <p>SM175 3 Ph, 4W</p>	SM175 (3 Ph, 3W)	Phase loss + Phase Sequence Monitoring	ON Delay 500 msec & OFF Delay 100 msec	–	208 - 480 VAC, 1 C/O (Steps of 208 - 220 - 380 - 400 - 415 - 440 - 480 VAC)	MK21D5	1335
ON Delay 500 msec & OFF Delay 100 msec				Phase Asymmetry (30% fixed)	MC21D5		1335	
ON Delay 5 sec & OFF Delay 100 msec (0 to 15s Selectable)				Phase Asymmetry (5% to 15% variable)	MA21DN		1745	
SM175 (3 Ph, 4W)		Phase Loss + Phase Sequence + Under Voltage + Over Voltage monitoring (UV: -2% to -20% of ϕ , OV: 2% to 20% of ϕ)	ON Delay 5 sec and Selectable OFF Delay (0 to 15 sec)	–	120 to 277 VAC (3P, 4W), 1 C/O		MD21DF	1745
			Selectable ON Delay (0.5 to 15 sec) and OFF Delay 5 sec	Phase Asymmetry (10% fixed)			MG21DH	1955
			ON Delay 5s and Selectable OFF Delay (0 to 15 sec)				MG21DF	1955
SM175 (3 Ph, 4W)	Phase loss+ Phase Sequence+ Under Voltage + Over Voltage (UV: -2% to -22% of ϕ , OV: 2% to 22% of ϕ)	Selectable ON delay (0 to 15 Sec), Selectable OFF delay (0 to 15 sec)	Phase Asymmetry (10% fixed)	240 VAC (3P, 4W), 1 C/O	MAG03D0424	2115		
					Phase loss+ Phase Sequence+ Under Voltage + Over Voltage (UV: -5% to -25% of ϕ / 60% of ϕ (Fixed), OV: 5% to 25% of ϕ / 110% of ϕ (Fixed))	MAG03D0425	2115	
	Phase loss+ Phase sequence+ Under Voltage + Over Voltage (UV: -5% to -25% / 80% of ϕ (Fixed), OV: 110% of ϕ (Fixed))	Selectable ON delay (0 to 15 sec/min), Selectable OFF delay (0 to 15 sec/min)	Phase Asymmetry (10% fixed/ 5% to 25% Selectable)		MAG03D0426	2115		
SM175 (3 Ph, 3W)	Phase loss Monitoring	ON delay 750 msec & OFF delay 500 msec	Phase Asymmetry (30% fixed)	415 VAC, 1 C/O	MAG03D0427	1420		

Monitoring voltage. Safeguarding system.



Current Monitoring relay (CMR)

- › Microprocessor based relay protects against Overload, Phase reverse, Phase loss, Phase unbalance faults
- › Auto/ Manual reset selection
- › Fail- safe protection with inbuilt CT upto 45A
- › Inverse time model with underload, locked rotor protection and selectable trip class (10A, 10, 20, 30)
- › Definite time model with underload and selectable start and trip time

Current Monitoring relay	Phase	Type	Current & Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
		3 Phase	Inverse Time Current Monitoring Relay	2 - 5A, 1 C/O	17A422CB0
3 - 9A, 1 C/O				17A122CB0	
8 - 24A, 1 C/O				17A222CB0	
15 - 45A, 1 C/O				17A322CB0	
Definite Time Current Monitoring Relay			2 - 5A, 1 C/O	17B422AA0	
			3 - 9A, 1 C/O	17B122AA0	
		8 - 24A, 1 C/O	17B222AA0		
		15 - 45A, 1 C/O	17B322AA0		
1 Phase		Inverse Time Current Monitoring Relay	2 - 5A, 1 C/O	17C412EB0	2355
			3 - 9A, 1 C/O	17C112EB0	
			8 - 24A, 1 C/O	17C212EB0	
			15 - 45A, 1 C/O	17C312EB0	
	Definite Time Current Monitoring Relay	2 - 5A, 1 C/O	17D412DA0		
		3 - 9A, 1 C/O	17D112DA0		
8 - 24A, 1 C/O		17D212DA0			
15 - 45A, 1 C/O		17D312DA0			

PTC Thermistor Relay Series	Relay Type	Description	Cat. No.	M.R.P. (₹) Per Unit	
	Thermistor Relay		110 - 240 VAC, 2 C/O	MJ83BK	2425
			220 - 440 VAC, 2 C/O	MJ93BK	2450
			24 VAC/DC, 2 C/O	MJA3BK	2840
			110 - 240 VAC, 1 C/O	MJ81BK	2245
			220 - 440 VAC, 1 C/O	MJ91BK	2275

Hour Meter & Counter [9029]

Hour Meters	Product Description	Cat. No.	M.R.P. (₹) Per Unit												
		HM36, 85 - 265 VAC Flush Mounting	LA25F1	925											
HM 36, 10 - 80 VDC Flush Mounting		LD17F1	1405												
HM36, 92 - 264 / 270 - 460 VAC Base - DIN Mounting		30A6B1	1010												
HM36, 10 - 80 VDC Base/DIN Mounting		30D1B1	1405												
Digital Hour Meter/Digital Counter (Resettable)		Z□□FB□	1685												
Hour Meter / Counter Z □ □ FB □ <table border="0" style="margin-left: 20px;"> <tr> <td style="border: 1px solid black; padding: 2px;">Voltage</td> <td style="border: 1px solid black; padding: 2px;">1 Hour Meter</td> <td style="border: 1px solid black; padding: 2px;">Bezel</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;">H 10 - 80 VDC</td> <td style="border: 1px solid black; padding: 2px;">2 Counter</td> <td style="border: 1px solid black; padding: 2px;">A Round</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;">7 85 - 265 VAC</td> <td></td> <td style="border: 1px solid black; padding: 2px;">B 24 x 48</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;">J 12 - 48 VAC/DC</td> <td></td> <td style="border: 1px solid black; padding: 2px;">C Screw Mount</td> </tr> </table>				Voltage	1 Hour Meter	Bezel	H 10 - 80 VDC	2 Counter	A Round	7 85 - 265 VAC		B 24 x 48	J 12 - 48 VAC/DC		C Screw Mount
Voltage	1 Hour Meter	Bezel													
H 10 - 80 VDC	2 Counter	A Round													
7 85 - 265 VAC		B 24 x 48													
J 12 - 48 VAC/DC		C Screw Mount													

Earth Leakage Relay [9032]

Earth Leakage Relays		Current Range	Type	Voltage & Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
 <p>96 x 96 mm Earth Leakage Relay</p>  <p>DIN Mounted Earth Leakage Relay</p>  <p>CBCT</p>  <p>Rectangular CBCT</p>	30mA - 30A	Panel mounted (96 x 96 mm) Earth Leakage Relay	110 - 240 VAC/DC, 1 C/O (Pre-alarm) + 1 C/O (Fault)	17K716QF4N	4335	
			110 - 240 VAC/DC, 1 C/O (Pre-alarm) + 1 C/O (Fault) with RS 485	17K716QF4M	6235	
			240 - 415 VAC/DC, 1 C/O (Pre-alarm) + 1 C/O (Fault)	17K726QF4N	4335	
			240 - 415 VAC/DC, 1 C/O (Pre-alarm) + 1 C/O (Fault) with RS 485	17K726QF4M	6235	
		DIN mounted Earth Leakage Relay	110 - 240 VAC, 110 VDC, Manual reset	17G715GF2	3890	
			220 - 415 VAC, 220 VDC, Manual reset	17G745GF2		
			15 VDC, Manual reset	17G755GF2		
			110 - 240 VAC, 110 VDC, Auto reset	17G715KF2		
			220 - 415 VAC, 220 VDC, Auto reset	17G745KF2		
			15 VDC, Auto reset	17G755KF2		
		CBCT (moulded case) for Type A & AC Current	38 mm ID	17H7NNHN3	1335	
			57 mm ID	17H7NNIN3	1805	
			70 mm ID	17H7NNQN3	2050	
			92 mm ID	17H7NNJN3	2245	
			120 mm ID	17H7NNLN3	2340	
			210 mm ID	17H7NNKN3	4415	
		CBCT (moulded case) for Type AC Current	38 mm ID	17H7NNRN3	1000	
			57 mm ID	17H7NNVN3	1120	
70 mm ID	17H7NNSN3		1185			
92 mm ID	17H7NNTN3		1585			
120 mm ID	17H7NNUN3		1840			
Rectangular CBCT (moulded case) for Type AC Current	300 x 50 mm ID	17H9NNWN0	8815			
	350 x 150 mm ID	17H9NNXN0	10715			

- > CBCT for Type AC : For applications with sinusoidal alternating current from 30mA to 30 A.
- > CBCT for Type A and AC : For applications with sinusoidal alternating current (from 30mA to 30A) & pulsating DC current (from 30mA to 3A).
- > Please contact nearest branch office for requirements of higher dimension CBCTs.

EM 1000	Product Description		Cat. No.	M.R.P. (₹) Per Unit
	EM 1000 ON Delay Auto Reset Synchronous Timer Single Range		B□□□□□	Table-1
	EM 1000 B□□□□□ Timing Ranges(SR)		Delay	
	B 0.15 - 3.0 sec		1 Standard ON delay	
	C 1.5 - 30 sec		2 With 'NO VOLT'	*360
	D 0.15 - 3.0 min			
	E 1.5 - 30 min		Mounting	
	F 0.15 - 3.0 hrs		B Base Mounting	
	G 1.5 - 30 hrs		F Flush (door) Mtg.	
	H 0.3 - 6.0 sec			
	J 3.0 - 60 sec	Timing Ranges (MR)	Contact	
	K 0.3 - 6.0 min	X 0.15 sec - 3.0 hrs	1 1 Inst + 1 Del C/O	
	L 3.0 - 60 min	Y 0.3 sec - 6.0 hrs	2 1 Inst + 2 Del C/O	*350
	M 0.3 - 6.0 hrs	Z 0.6 sec - 12.0 hrs		
	N 3.0 - 60 hrs		Voltage	
	P 0.6 - 12 sec		3 110 VAC 50 Hz	
	Q 6.0 - 120 sec		4 240 VAC 50 Hz	
R 0.6 - 12 min		C 110 VAC 60 Hz		
S 6.0 - 120 min		D 240 VAC 60 Hz		
T 0.6 - 12 hrs				
V 6 - 120 hrs				
		* Add to basic Price. Contact : 240 VAC 6A (Resistive)		

Single Range (SR) (In sec/min/hrs)	M.R.P. (₹) Per Unit for Single Range (SR) (In sec/min/hrs)	Multi Range (MR) with 5 Ranges	M.R.P. (₹) Per Unit
0.15 - 3	5790	0.15 sec - 3 hrs	6870
0.3 - 6		0.3 sec - 6 hrs	
0.6 - 12		0.6 sec - 12 hrs	
1.5 - 30			
3.0 - 60			
6.0 - 120			

* - available till stock lasts

These products are manufactured by



Disclaimer for Timing Devices and Supply Monitors

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Elevate Your Panels with **superior illumination** & **aesthetic**



LED Indicators

Built on Trust. **Designed for high performance.**

LEDs with Inbuilt low voltage glow protection at 25% of rated voltage to avoid false indication due to stray voltages.

LEDs with >180 degree viewing angle for enhanced experience with uniform illumination.

The New Range Of GEN NEXT METAL SERIES



Metal Push Buttons
Crafted With Precision
Sleek | Durable | Flexible



Assembles
quickly



5G vibration
protection



Secured
with IP65

The available colours are Red, Green, Blue, Amber, Yellow, Black, and White.

Modular Remote Control Units

Note : All Cat.No. to be ordered in multiple of Standard Packing : 10, Except for Push Button Stations.

Gen Next Series

Gen Next Pro LED Indicator [8531]

› Surface Mounted Device LED technology

› Low Power consumption < 1W

› Surge & Low Voltage Glow Protection (LVGP)

	Description	Cat. No.	Colour (4 th Digit)	Voltage (5 th , 6 th , 7 th & 8 th Digit)	M.R.P. (₹) Per Unit
 <p>Ø22.5 mm</p>	Gen Next Pro LED Indicator 22.5 mm	EPL□□□□□	R-Red G-Green Y-Yellow A-Amber B-Blue W-White	012C - 12 VAC/DC 024C - 24 VAC/DC 030C - 30 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC 110D - 110 VDC 240A - 240 VAC 220D - 220 VDC	146
				415A - 415 VAC	183 311 Blue & White
 <p>Ø16 mm</p>	Gen Next Pro LED Indicator 16 mm	SPL□□□□□	R-Red G-Green Y-Yellow A-Amber B-Blue W-White	012C - 12 VAC/DC 024C - 24 VAC/DC 110C - 110 VAC/DC 240A - 240 VAC	171 285 Blue & White

Note * : LED Indicator for Flame Proof Panel application available on request.

Universal LED Indicator [8531]

	Description	Cat. No.	Colour (8 th Digit)	Voltage (9 th , 10 th , 11 th & 12 th Digit)	M.R.P. (₹) Per Unit
 <p>Gen Next Pro Ø22.5 mm Universal LED Indicator</p>	Gen Next Pro Universal LED indicator	EPL□□□□□	R-Red G-Green Y-Yellow A-Amber B-Blue W-White	224C-24 to 240V AC/DC	438
					525 Blue & White

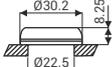
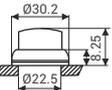
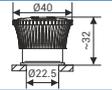
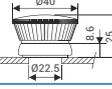
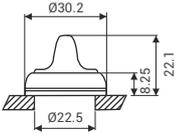
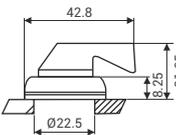
Introducing 16mm Pro LED Indicators

Compact in Design. Superior in Aesthetics.
Perfectly Crafted for Small-Size Panels.

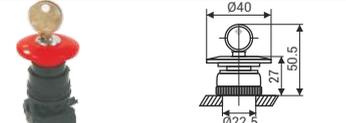
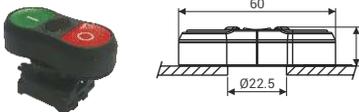


Gen Next Push Button & Selector Actuators Ø 22.5 mm [8538]

› Snap Mounting with compact contact blocks (EC1C & EC2C) › Max 3 row x 3 column stackable contact blocks

	Description	Cat. No.	Colour (4 th Digit)	M.R.P. (₹) Per Unit
 	Flush Head	EMN□FD1	R-Red G-Green C-Black Y-Yellow W-White B-Blue A-Amber F-Gray	93
 	Projecting Head Push Function	EMN□PD1	R-Red G-Green C-Black Y-Yellow W-White B-Blue A-Amber F-Gray	94
 	Mushroom Head 'Push - Turn Function'	EMN□MH1	R-Red G-Green C-Black Y-Yellow	182
 	Mushroom Head 'Push - Function'	EMN□MD1	R-Red G-Green C-Black Y-Yellow	132
 	Symmetric Head	2 Position	R-Red G-Green C-Black W-White	260
		 Non Spring Return EP09SK00□0000		
		 Spring Return EP09SI00□0000		
		3 Position		
		 Non Spring Return EP09SL00□0000		
		 Spring Return EP09SJ00□0000		
		 Spring Return L. H. EP09SM00□0000		
 Spring Return R. H. EP09SN00□0000				
 	Lever Head	2 Position	R-Red W-White C-Black	260
		 Non Spring Return EMN□LK1		
		 Spring Return EMN□LI1		
		3 Position		
		 Non Spring Return EMN□LL1		
		 Spring Return EMN□LJ1		
		 Spring Return L. H. EMN□LM1		
 Spring Return R. H. EMN□LN1				

Gen Next Push Button & Selector Actuators Ø 22.5 mm [8538]

	Description	Cat. No.	Colour (4 th Digit)	M.R.P. (₹) Per Unit
	Lock & Key Rotary Type	2 Position		C-Black
 Non Spring Return EP09KK00□0000				
 Spring Return EP09KI00□0000				
3 Position				
 Non Spring Return EP09KL00□0000				
 Spring Return EP09KJ00□0000				
 Spring Return L. H. EP09KM00□0000				
 Spring Return R. H. EP09KN00□0000		390		
	Push Pull	EG02MG0□	R-Red	359
	Mushroom Head Lock And Key Actuator	EG02MQ0R00	R-Red	406
	Twin Touch with Black centre strip	EG02TD0I	-	185



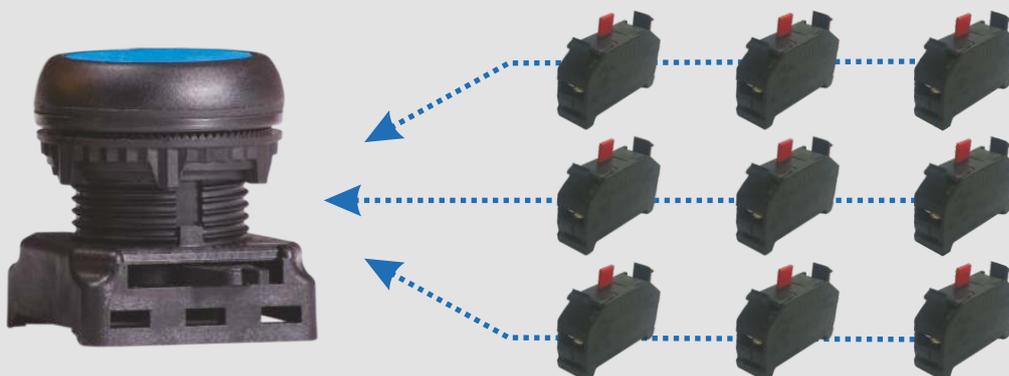
Brass Metal Coller Push Button

- Note :**
- Actuators & Selector Actuators with black ABS collar are offered as Standard
 - Actuators (except Mushroom Head Push - Pull Actuators) are also available with chrome plated ABS & Brass collar
 - Non-Illuminated Actuator
 - For PU Coated ABS Collar replace 7th digit 1 by 2 eg. : EMNPD²
 - For Brass Metal Collar replace 7th digit 1 by 3 eg. : EMNPD³ (Please contact nearest branch office for MRP)
 - Illuminated Actuator
 - For PU Coated ABS Collar replace 4th digit 3 by 5 eg. : EG0⁵***
 - For Brass Metal Collar replace 4th digit 3 by 7 eg. : EG0⁷*** (Please contact nearest branch office for MRP)

Note * : In 2 position selector actuator, for operating style  replace 6th digit from K to R and for operating style , replace 6th digit from K to T

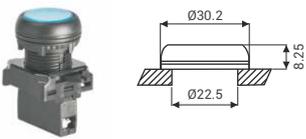
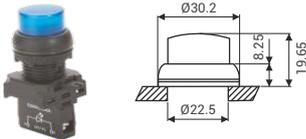
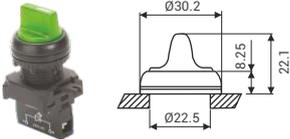
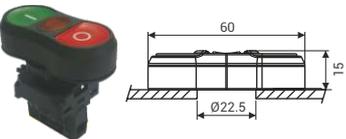
Stack smart control more

Operate nine contact blocks with just **one** push button



Gen Next Illuminated Push Button Actuators [8531]

› Snap Mounting with compact contact blocks (EC1C & EC2C)

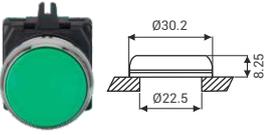
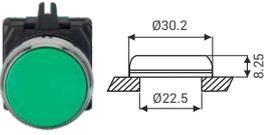
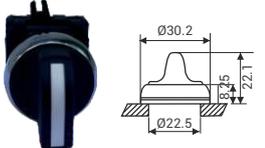
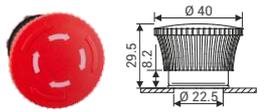
	Description	Cat. No.	Colour (8 th Digit)	Voltage (9 th , 10 th , 11 th & 12 th Digit)	M.R.P. (₹) Per Unit
	Flush Head	EG03FDL□□□□□	R-Red G-Green Y-Yellow A-Amber	012C - 12 VAC/DC 024C - 24 VAC/DC 030C - 30 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC	263
			B-Blue W-White	110D - 110 VDC 240A - 240 VAC 220D - 220 VDC	488 Blue and White
	Projecting Head (Push Function)	EG03PDL□□□□□	R-Red G-Green Y-Yellow A-Amber	012C - 12 VAC/DC 024C - 24 VAC/DC 030C - 30 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC	263
			B-Blue W-White	110D - 110 VDC 240A - 240 VAC 220D - 220 VDC	488 Blue and White
	Selector Actuator with LED holder	2 Position		R-Red G-Green Y-Yellow A-Amber B-Blue W-White	012C - 12 VAC/DC 024C - 24 VAC/DC 030C - 30 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC 110D - 110 VDC 240A - 240 VAC 220D - 220 VDC
		 Non Spring Return EG03SKL□□□□□	386		
		 Spring Return EG03SIL□□□□□	576 Blue and White		
		3 Position			
 Non Spring Return EG03SLL□□□□□					
 Spring Return EG03SJL□□□□□					
	Twin Touch with Led Holder	EG03TDL□□□□□	Y- Yellow A-Amber	012C - 12 VAC/DC 024C - 24 VAC/DC 030C - 30 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC 110D - 110 VDC 240A - 240 VAC 220D - 220 VDC	331

Note* : 1) In 2 position selector actuator, for operating style  replace 6th digit from K to R and for operating style  replace 6th digit from K to T.

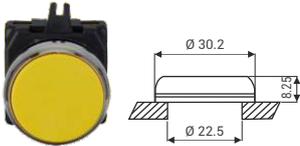
2) Assembly comes with LED holder. Please order contact block EC1C and EC2C separately.

GEN NEXT Metal Push Button & Selector Actuator [8538]

› Snap Mounting with compact contact blocks (EC1C & EC2C)

	Description	Cat. No.	Colour	M.R.P. (₹) Per Unit	
	Flush head	EM27FD00□00	R-Red G-Green C-Black Y-Yellow W-White B-Blue A-Amber	98	
		EM27FD00□00			
	Symmetric Head	2 Position		C-Black	
		Non Spring Return EM27SK00□00 ↘	292		
		Spring Return EM27SI00□00 ↘			
		3 Position			330
		Non Spring Return EM27SL00□00 ↘↘			
		Spring Return EM27SJ00□00 ↘↘			
		Spring Return L.H. EM27SM00□00 ↘↘			
Spring Return R.H. EM27SN00□00 ↘↘					
	Lock & Key	2 Position		C-Black	
		Non Spring Return EM27KK00□00 ↘	401		
		Spring Return EM27KI00□00 ↘			
		3 Position			444
		Non Spring Return EM27KL00□00 ↘↘			
		Spring Return EM27KJ00□00 ↘↘			
		Spring Return L.H. EM27KM00□00 ↘↘			
Spring Return R.H. EM27KN00□00 ↘↘					
	Mushroom Head-Push Turn	EM27MH00□00	R-Red	222	
		EM27MH00□00	G-Green		
	Mushroom Head-Push Function	EM27MD00□00	R-Red	146	

GEN NEXT Metal Illuminated Push Button Actuator [8531]

	Description	Cat. No.	Colour (8 Digit)	Voltage (9 , 10 , 11 & 12 Digit)	M.R.P. (₹) Per Unit
	Illuminated Flush head	EM28FD0□□□□□	R-Red	012C - 12 V AC/DC	335
G-Green			024C - 24 V AC/DC		
Y-Yellow			030C - 30 V AC/DC		
A-Amber			048C - 48 V AC/DC		
W-White B-Blue			064C - 64 V AC/DC	692	
			110A - 110 V AC		
			110D - 110 V DC		
			240A - 240 V AC		
			220D - 220 V DC		

Gen Next Modular Contact Blocks [8538]

	Description	Cat. No.	Colour	Voltage	M.R.P. (₹) Per Unit
	'NO' Block	EC1C	-	-	73
	'NC' Block	EC2C	-	-	73

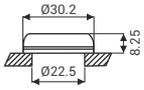
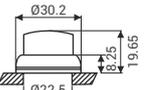
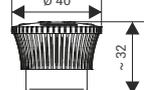
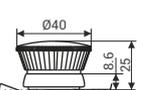
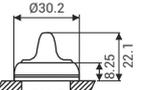
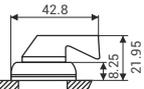
Spare for Gen Next Series [8531]

	Description	Cat. No.	Colour	Voltage	M.R.P. (₹) Per Unit
	LED Holder for Gen Next illuminated actuator series	EG08HOL□□□□□	R-Red	012C - 12 VAC/DC	198
G-Green			024C - 24 VAC/DC		
Y-Yellow			030C - 30 VAC/DC		
A-Amber			048C - 48 VAC/DC		
B-Blue W-White			064C - 64 VAC/DC	395 Blue and White	
			110A - 110 VAC		
			110D - 110 VDC		
			240A - 240 VAC		
			220D - 220 VDC		

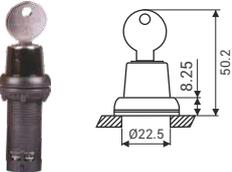
Note : Contact blocks and LED holder are same for Gen next and Gen next META series

Gen Next entegral Actuator [8536]

> With inbuilt contact arrangement > Contact rating 6A @ 240AC

 	Description	Cat. No.	Contact Configuration (3 rd Digit)	Colour (4 th Digit)	M.R.P. (₹) Per Unit
	Flush Head	EE□□FD1	1 - 1 NO 2 - 1 NC	R-Red G-Green Y-Yellow W-White B-Blue A-Amber C-Black	144
			3 - 1 NO + 1 NC 4 - 2 NO 5 - 2 NC	210	
 	Projecting Head Push Function	EE□□PD1	1 - 1 NO 2 - 1 NC	R-Red G-Green Y-Yellow W-White B-Blue A-Amber C-Black	144
			3 - 1 NO + 1 NC 4 - 2 NO 5 - 2 NC	210	
 	Mushroom Head Push - Turn	EE□□MH1	1 - 1 NO 2 - 1 NC	R-Red G-Green Y-Yellow C-Black	211
			3 - 1 NO + 1 NC 4 - 2 NO 5 - 2 NC		287
 	Mushroom Head Push - Function	EE□□MD1	1 - 1 NO 2 - 1 NC	R-Red G-Green Y-Yellow C-Black	179
			3 - 1 NO + 1 NC 4 - 2 NO 5 - 2 NC		243
 	Symmetric Head Actuator	2 Position  Non Spring Return EE□□SK1	1 - 1 NO 2 - 1 NC	R-Red G-Green W-White C-Black	290
			 Spring Return EE□□SI1		3 - 1 NO + 1 NC (Left NO) 4 - 2 NO 5 - 2 NC 6 - 1 NO + 1 NC (Right NO)
		3 Position  Non Spring Return EE□□SL1	3 - 1 NO + 1 NC (Left NO) 4 - 2 NO 5 - 2 NC 6 - 1 NO + 1 NC (Right NO)		367
			 Spring Return EE□□SJ1		
			 Spring Return L. H. EE□□SM1		
			 Spring Return R. H. EE□□SN1		
 	Lever Head	2 Position  Non Spring Return EE□□LK1	1 - 1 NO 2 - 1 NC	R-Red G-Green W-White C-Black	290
			 Spring Return EE□□LI1		3 - 1 NO + 1 NC (Left NO) 4 - 2 NO 5 - 2 NC 6 - 1 NO + 1 NC (Right NO)
		3 Position  Non Spring Return EE□□LL1	3 - 1 NO + 1 NC (Left NO) 4 - 2 NO 5 - 2 NC 6 - 1 NO + 1 NC (Right NO)		367
			 Spring Return EE□□LJ1		
			 Spring Return L. H. EE□□LM1		
			 Spring Return R. H. EE□□LN1		

Gen Next integral Actuator [8536]

	Description	Cat. No.	Contact Configuration (3 rd Digit)	Colour (4 th Digit)	M.R.P. (₹) Per Unit	
	Lock & Key Rotary Type	2 Position		1 - 1 NO 2 - 1 NC	C-Black	372
		 Non Spring Return EE□□KK1		3 - 1 NO + 1 NC (Left NO) 4 - 2 NO 5 - 2 NC 6 - 1 NO + 1 NC (Right NO)		444
		Spring Return EE□□KI1				
		3 Position		3 - 1 NO + 1 NC (Left NO) 4 - 2 NO 5 - 2 NC 6 - 1 NO + 1 NC (Right NO)		455
		 Non Spring Return EE□□KL1				
		Spring Return EE□□KJ1				
Spring Return L. H. EE□□KM1						
 Spring Return R. H. EE□□KN1						

Note * : In 2 position selector actuator, for operating style  replace 6th digit from K to R and for operating style  replace 6th digit from K to T

Panel Mounted Buzzer Ø 22.5 mm [8531]

› IP20 protection › 80dB at 1 m distance › Low Power consumption < 0.6W

	Description	Electrical Rating	Cat. No.	M.R.P. (₹) Per Unit	
	22.5 mm Panel Mounted Buzzer Black colour		240 VAC	EG15R00C240A	348
			110 VAC	EG15R00C110A	
			64 VAC/DC	EG15R00C064C	
			48 VAC/DC	EG15R00C048C	
			30 VAC/DC	EG15R00C030C	
			24 VAC/DC	EG15R00C024C	
	12 VAC/DC	EG15R00C012C			

Gen Next Push Button Stations [8536]

Dimension › Single Station : 65 x 55 x 33 mm › Two Station : 100 x 55 x 53 mm
› Three Station : 134 x 55 x 53 mm › Eight Station : 305 x 55 x 53 mm

	Description	Cat. No.	M.R.P. (₹) Per Unit
	Flush Head Actuator - Red with Legend - STOP Contact - 1 'NC'	EP1FAC01	565
Flush Head Actuator - Green with Legend - START Contact - 1 'NO'	EP1FAB02		
	Two Position Symmetric Head Selector Switch - Black with Legend - OFF / ON Contact - 1 'NO'	EP1FAF08	742
	Two Position Lock & Key Rotary Switch with Legend - OFF / ON Contact - 1 'NO'	EP1FAF12	820
	Mushroom Head Actuator 'Push Function' with Legend - STOP Contact - 1 'NC' for Stop	EP1FAC03	600

Gen Next Push Button Stations [8536]

	Description	Cat. No.	M.R.P. (₹) Per Unit
	Mushroom Head Actuator 'Push Turn Type' with Legend - STOP Contact - 1 'NC' for Stop	EP1FAC05	731
	Flush Head Actuator - Green with Legend - START Contact - 1 'NO' (Station One)	EP2FAH0201	820
	Flush Head Actuator - Red with Legend - STOP Contact - 1 'NC'		
	Flush Head Actuator - Green with Legend - START Contact - 1 'NO' (Station One)	EP2FAH0205	906
	Mushroom Head Actuator 'Push Turn Type' with Legend - STOP Contact - 1 'NC' (Station Two)		
	LED Indicator 240 VAC - Red (Station One)	EP3FAUI1X0201	1104
	Flush Head Actuator - Green with Legend - START Contact - 1 'NO' (Station Two)		
	Flush Head Actuator - Red with Legend - STOP Contact - 1 'NC' (Station Three)		
	Flush Head Actuator - Green with Legend - FORWARD Contact - 1 'NO' (Station Two)	EP3FAR020102	1034
	Flush Head Actuator - Red with Legend - STOP Contact - 1 'NC' (Station Two)		
	Flush Head Actuator - Green with Legend - REVERSE Contact - 1 'NO' (Station Three)		
	Flush Head Actuator - Green with Legend - UP Contact - 1 'NO' (Station Two)	EP3FAS020102	1034
	Flush Head Actuator - Red with Legend - STOP Contact - 1 'NC' (Station Two)		
	Flush Head Actuator - Green with Legend - DOWN Contact - 1 'NO' (Station Three)		
	All 7 Flush Head Actuators with NO Contact & Mushroom Head Push Turn	EP8F02	2934
	8 Way push button pendant with hanging provision	EP8F04	3138
	Single Station Enclosure Box without Actuator	EP1FAA*	312
	Two Station Enclosure Box without Actuator	EP2FAA*	332
	Three Station Enclosure Box without Actuator	EP3FAA*	341
	Eight Station Enclosure Box without Actuator	EP8FAA*	571

- Note :**
1. All Gen next push button stations contains entegral Actuators.
 2. Only entegral actuators can be used for converting Gen next enclosure boxes into Gen Next push button station.
 3. For any other combination of actuators/indicators in push button stations please contact nearest branch office.
 4. EP8F04 is available in single speed for crane application.
- * Chapter ID : 8538.

Universal Push Button Stations (in ABS Engineering plastic body) [8536]

Dimension > Single Station : 75 x 75 x 56 mm > Two Station : 127 x 75 x 56 mm
> Three Station : 160 x 75 x 56 mm

	Description	Cat. No.	M.R.P. (₹) Per Unit
	Flush Head Actuator - Red with Laser Marking - STOP Contact - 1 'NC'	EWS1C01AC062	682
	Flush Head Actuator - Green with Laser Marking - START Contact - 1 'NO'	EWS1C01AC063	682
	Two Position Symmetric Head Selector Switch - Black with Laser Marking - OFF / ON Contact - 1 'NO'	EWS1C01AF064	901
	Illuminated Actuator - Green with Laser Marking - ON Contact - 1 'NO' - 240 VAC	EWS1C01AA070	805
	Two Position Lock & Key Rotary Switch with Laser Marking - OFF / ON Contact - 1 'NO'	EWS1C01AF065	1019
	Mushroom Head Actuator 'Push Function' with Laser Marking - STOP Contact - 1 'NC' for Stop	EWS1C13AC054	725
	Mushroom Head Actuator 'Push Turn type' with Laser Marking - STOP Contact - 1 'NC' for Stop	EWS1C13AC051	819
	"Mushroom Head Actuator with Lock and Key on Yellow Cover, with Laser Marking - STOP, Contact - 1 'NC' for Emergency Stop"	EWS1C13AC066	996
	Push Button Station with Push Pull Emergency Switch, Red with 1 NC	EWS1C13AC069	884
	Flush Head Actuator - Green with Laser Marking - START Contact - 1 'NO' (Station One) Flush Head Actuator - Red with Laser Marking - STOP Contact - 1 'NC' (Station Two)"	EWS2C01AH045	985
	Flush Head Actuator - Green with Laser Marking - START Contact - 1 'NO' (Station One) Mushroom Head Actuator 'Push Turn Type' with Laser Marking - TOP Contact - 1 'NC'"	EWS2C01AH067	1092
	Flush Head Actuator - Green with Laser Marking - START Contact - 1 'NO' (Station One) Mushroom Head Actuator 'Lock & Key Type' with Laser Marking - STOP Contact - 1 'NC'"	EWS2C01AH068	1289
	Pilot Light 240 VAC White (Station One) Flush Head Actuator - Green with Laser Marking - START Contact - 1 'NO' (Station Two) Flush Head Actuator - Red with Laser Marking - STOP Contact - 1 'NC' (Station Three)"	EWS3C01AH048	1334
	Flush Head Actuator - Green with Laser Marking - FORWARD Contact - 1 'NO' (Station One) Flush Head Actuator - Red with Laser Marking - STOP Contact - 1 'NC' (Station Two) Flush Head Actuator - Green with Laser Marking - REVERSE Contact - 1 'NO' (Station Three)"	EWS3C01BJ055	1251
	Flush Head Actuator - Green with Laser Marking - UP Contact - 1 'NO' (Station One) Flush Head Actuator - Red with Laser Marking - STOP Contact - 1 'NC' (Station Two) Flush Head Actuator - Green with Laser Marking - DOWN Contact - 1 'NO' (Station Three)"	EWS3C01AS055	1251

Universal Push Button Stations (in ABS Engineering plastic body) [8538]

Push Buttons Station Enclosure

- Dimension > Single Station : 75 x 75 x 56 mm > Two Station : 127 x 75 x 56 mm
 > Three Station : 160 x 75 x 56 mm > Four Station : 215 x 75 x 70 mm
 > Five Station : 270 x 75 x 71 mm

	Description	Cat. No.	M.R.P. (₹) Per Unit
	Enclosure Grey-Black single hole	EWS1C01AA	398
Enclosure Grey-Black & 2 hole of Ø 22.5	EWS2C01AA	515	
Enclosure Grey-Black & 3 holes of Ø 22.5	EWS3C01AA	631	
Enclosure Grey-Black & 4 holes of Ø 22.5	EWS4C01AA	885	
Enclosure Grey-Black & 5 holes of Ø 22.5	EWS5C01AA	1022	
	Enclosure Yellow-Black single hole	EWS1C13AA	398
	Enclosure Yellow-Black & 2 hole of Ø 22.5	EWS2C13AA	515
	Enclosure Yellow-Black & 3 holes of Ø 22.5	EWS3C13AA	631
	Enclosure Yellow-Black & 4 holes of Ø 22.5	EWS4C13AA	885
	Enclosure Yellow-Black & 5 holes of Ø 22.5	EWS5C13AA	1022

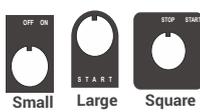
All Purpose Enclosures [8538]

Dimension: 110 x 80 x 65 mm

 Note : with plastic screws	Description	Cat. No.	M.R.P. (₹) Per Unit
	All Grey without hole	HF999000	394
	All Grey & 1 hole of Ø 22.5	HF999001	
All Grey & 2 holes of Ø 22.5	HF999002		

Note : Gen Next Series actuator and contact blocks can be used to convert all purpose enclosure box into push button stations.

Accessories and Spares [8538]

 Small Large Square	Description	Cat. No.	M.R.P. (₹) Per Unit
	Small	HH2420122	27
	Large	HH2420124	
	Square	HH2420123	

Note : Printing as per customer requirement

	Cat. No.	M.R.P. (₹) Per Unit
	HH192000	90

	Description	Cat. No.	M.R.P. (₹) Per Unit
	Yellow legend plate	HB135000	76
	Padlock Yellow (for Mushroom head Actuator)	HF192024	189
	Padlock Transparent (for Flush head Actuator)	HF192025	171
	Protecting Shroud for Emergency Push Button	HF195020A	87
	Protecting Shroud	HF195004	76

Shroud (Boot) for Actuator  (For IP67 protection of actuators)	Colour	Gen Next Actuator	
		Cat. No.	M.R.P. (₹) Per Unit
	White	HB17101	35
	Red	HB17301	
	Green	HB17401	
	Black	NA	
	Yellow	HB17501	
	Blue	HB17701	
	Amber	HB17801	
	Colourless	HB190003	42

Spare Lens Cap 	Colour	Cat. No.		M.R.P. (₹) Per Unit
		Non Illuminated	Illuminated	
	Red	HB103002	HB103103	26
	Green	HB104000	HB104101	
	Black	HB102006	NA	
	Yellow	HB105008	HB105109	
	White/Opal	HB101004	HB101105	
	Blue	HB107010	HB107111	
	Orange	HB108012	HB108113	
	Colourless	NA	HB100107	

Note : It can be used for Gen Next.

Collar (For Flush/ Projecting Head) 	Cat. No.	Colour	M.R.P. (₹) Per Unit
	HB196000	Chrome Plated 'ABS'	22
	HB192000	Black	22
Adaptor Ring * (For 30 to 22 mm in Panel Cutout conversion) 	HH180000	Gray	32
	HH182004	Black	
	HH196006	Chrome Plated 'ABS'	
Blanking Plugs 	HH180002	Gray	62
	HH182009	Black	
	HH196010	Chrome Plated 'ABS'	
Center Indication Strip (For Twin Touch Actuator) 	HB102058	Black	62
	HB105163	Yellow	
	HB108169	Orange	
	HB100161	Colourless	

* It can be used to convert Gen Next actuator series to TK3 Ø30 mm mounting.

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Rajkot - 360 001
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Coimbatore - 641 004
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e-mail: CIC@LK-EA.com

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Product improvement is a continuous process. For the latest information and special application, please contact any of our offices listed here. Product photographs shown for representative purpose only.



Lauritz Knudsen Electrical & Automation, Electrical Standard Product

A/600, Shil-Mahape Road, TTC Industrial Area, MIDC Thane, Navi Mumbai, 400 710, Maharashtra, Phone No: 022-6722 6300 | Web: www.LK-EA.com

Customer Interaction Center (CIC)

Phone no: 022-6932 7800

Web: www.LK-EA.com | e-mail: CIC@LK-EA.com



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FROM THE COO'S DESK.



Electrical & Automation

Dear Partner,

Your continued trust and partnership have been the cornerstone of our journey. Building on a legacy of over 70 years, and following our refreshed identity last year, we remain focused on delivering **innovative, reliable, and high-quality products** that power progress.

As part of this journey, we are pleased to **share an updated price list**. This revision reflects our ongoing commitment to **transparency, quality, and excellence**, ensuring you continue to receive the best value and service.

At Lauritz Knudsen, our philosophy remains simple yet powerful: **We listen. We partner. We innovate.**

These words guide our actions and shape the way we grow - together.

We look forward to continuing our collaboration and powering up homes, industries, farms, infrastructure, businesses, and lives - with you by our side.

Wishing you a joyful festive season and continued success.

A handwritten signature in blue ink that reads "Naresh Kumar".

Warm regards,
Naresh Kumar
COO & Sr. VP, Electrical Standard Products
Lauritz Knudsen Electrical & Automation

Content

Rotary Switches	01
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Modular Remote Control Units	29

Note :

Colour of HSN code signifies below

[Green colour : HSN code]

Current GST 18%, subject to changes as per Govt. notification

Complete Your Panel with the widest range of Industrial Signalling Products



Rotary & Load Break Switches



Modular Remote Control Units



Timing Devices & Supply Monitors

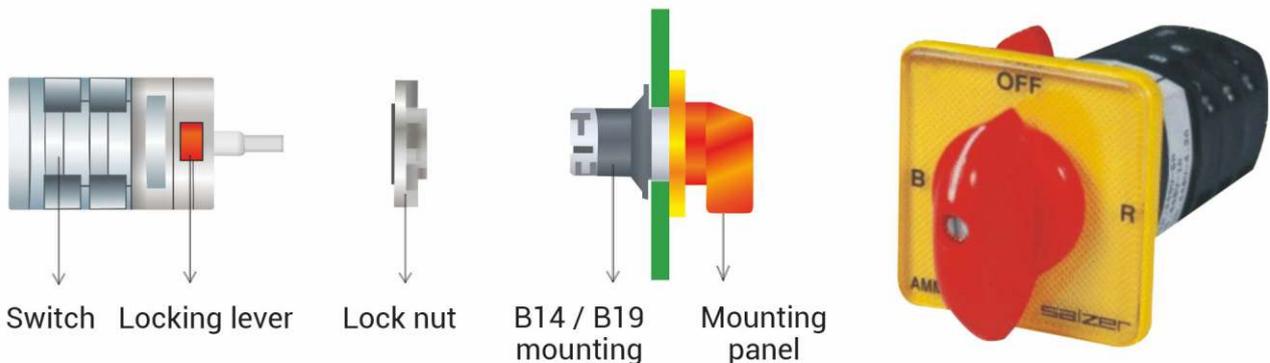


Digital Panel Meters



Increase installation efficiency with our Single Hole Mounting Rotary Switch

Single hole mounting (SHM) range of rotary switches uses a unique mounting concept that requires just a single $\text{Ø}22.5$ cut out to mount the switches on the panel

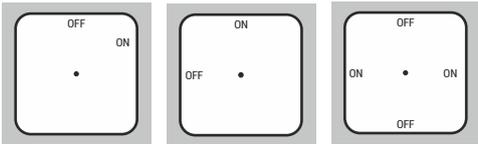


- › Available from 6A-32A with B14 / B19 mounting
- › Easy mounting - Reduces assembly time
- › Wiring accessibility : Switch can be wired separately and then snap fitted to the mounting assembly using locking lever
- › Single hole cutout - It requires a single cutout to mount on the panel

Rotary Switches

Note: All mentioned prices are for Standard Mounting & Knob. Kindly reach our branch offices for details of other mountings & knobs.

Cam Operated Rotary Switches [8536]

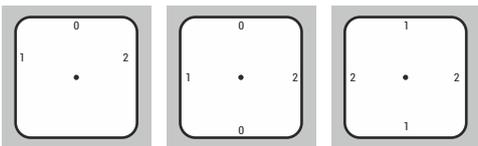


Isolators Switches (ON-OFF Switches)



60° Operation	90° Operation	90° Operation Complete Rotation	Description	M.R.P. (₹) Per Unit																
				6A (SAB13)	10A (SBB13)	16A (SCB03)	25A (SEB03)	32A (SFB03)	40A (SGB03)	63A (SIB03)	100A (SKB03)	200A (SNB03)								
Cat. No.: Program Code (First 5 digits), Next 5 digits in () # →																				
61001	61191	61195	1 Pole ON - OFF	185	295	415	460	575	745	870	4335	5605								
61002	61192	61198	2 Pole ON - OFF	235	335	475	565	670	895	1110	5425	7305								
61003 [§]	-	-	3 Pole ON - OFF	250	405	855	1075	1195	1500	2155	7350	9570								
-	61199	61197		250	405	555	745	835	1040	1495	6685	9120								
61004	61194	61196	4 Pole ON - OFF	315	450	600	900	970	1180	1785	7735	10845								

Note : Offered upto 12 Pole
[§] Motor Duty Switch (AC-3 Duty)

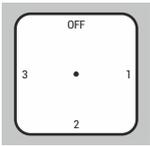


Changeover Switches (Local - Remote, Auto - Manual Switches)



With Center OFF (60°)	With OFF (90°)	Without OFF (90°) with Complete Rotation	Description	M.R.P. (₹) Per Unit																	
				6A (SAB13)	10A (SBB13)	16A (SCB03)	25A (SEB03)	32A (SFB03)	40A (SGB03)	63A (SIB03)	100A (SKB03)	200A (SNB03)									
Cat. No.: Program Code (First 5 digits), Next 5 digits in () # →																					
61025	61151	61037	1 P 2W	235	375	525	575	650	870	1175	5605	8105									
61026	61152	61038	2 P 2W	315	445	600	780	900	1185	1785	8200	12355									
61027	61153	61039	3 P 2W	380	550	795	1175	1270	1495	2390	10625	15805									
61028	61154	61040	4 P 2W	475	645	920	1550	1625	1805	3005	13420	19735									

Phase Changeover (PS Series Switches)



Cat. No.: Program Code (First 5 digits), Next 5 digits in () # →	Description	M.R.P. (₹) Per Unit			
		25A (PEB03)	32A (PFB03)	40A (PGB03)	63A (PIB03)
61060	1 P 3W with OFF	476	586	860	970

Phase Changeover in SS enclosure



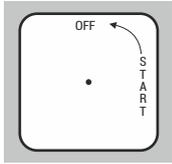
Cat. No.	Description	M.R.P. (₹) Per Unit			
		25A (E)	32A (F)	40A (G)	63A (I)
72347P □ M17TDYR.	PS Series Switches in SS enclosure	3950	4160	6146	6296

Note : Prices are available on request for higher than 4 Pole ON-OFF version.
Please contact nearest E&A branch office for prices.
For complete ordering code, Kindly refer Page No.10



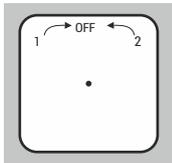
Secure Every Operation
IP-20 Finger-Safe Rotary Switches

ON - OFF Spring Return Switches



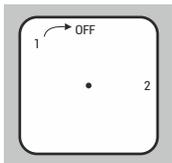
Description	Cat. No.: Program Code (First 5 digits), Next 5 digits in () # → ↓	M.R.P. (₹) Per Unit
		16A (SCB03)
1 P ON - OFF	61351	895
2 P ON - OFF	61352	940
3 P ON - OFF	61353	1070
4 P ON - OFF	61354	1255

Double Throw with Spring Return Switches



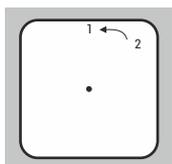
Description	Cat. No.: Program Code (First 5 digits), Next 5 digits in () # → ↓	M.R.P. (₹) Per Unit
		16A (SCB03)
1 P 2W W/OFF Spring Return	61361	940
2 P 2W W/OFF Spring Return	61362	1390
3 P 2W W/OFF Spring Return	61363	1510

One Side Spring Return Switches



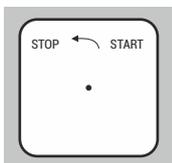
Description	Cat. No.: Program Code (First 5 digits), Next 5 digits in () # → ↓	M.R.P. (₹) Per Unit
		16A (SCB03)
1 P 3W Spring Return - OFF from 1	61364	855
2 P 3W Spring Return - OFF from 1	61365	1255
3 P 3W Spring Return - OFF from 1	61369	1380

Spring Return Switches without OFF



Description	Cat. No.: Program Code (First 5 digits), Next 5 digits in () # → ↓	M.R.P. (₹) Per Unit
		16A (SCB03)
1 P 2W Spring Return - from 2 to 1	61371	855
2 P 2W Spring Return - from 2 to 1	61372	1255
3 P 2W Spring Return - from 2 to 1	61373	1380

Start Stop Spring Return Switches

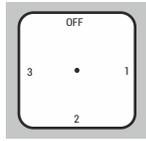


Description	Cat. No.: Program Code (First 5 digits), Next 5 digits in () # → ↓	M.R.P. (₹) Per Unit
		16A (SCB03)
1 P Start Stop Spring Return	61300	1070
2 P Start Stop Spring Return	61388	1255

Note: Prices for 25A rating are available on request.
#For complete ordering code, kindly refer Page No. 10

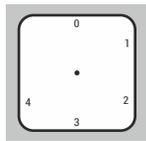


Multi Step Switches with OFF



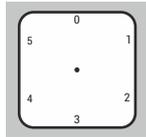
3 Way

Description	Cat. No. #	M.R.P. (₹) Per Unit									
		6A (SAB13)	10A (SBB13)	16A (SCB03)	25A (SEB03)	32A (SFB03)	40A (SGB03)	63A (SIB03)	100A (SKB03)	200A (SNB03)	
1 P 3W	61060	275	425	550	PS Series Switches (Refer page no. 2)					5695	8650
2 P 3W	61080	380	490	665	930	995	1445	1625	8370	13230	
3 P 3W	61100	555	660	1135	1380	1500	1930	2510	10930	17370	
4 P 3W	61131	705	855	1380	1725	1885	2580	3020	13810	21780	



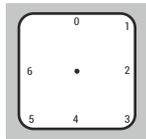
4 Way

1 P 4W	61061	325	385	795	975	1080	1230	1675	8010	***
2 P 4W	61081	555	705	940	1025	1195	1765	1960	13420	***
3 P 4W	61101	765	895	1490	1725	1975	2250	3020	20225	26120
4 P 4W	61132	925	1320	1900	2065	2205	2925	3480	28380	42570



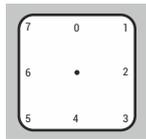
5 Way

1 P 5W	61062	355	495	845	1215	1230	1270	1800	***	16255
2 P 5W	61082	640	930	1220	1660	1955	2010	2515	***	***
3 P 5W	61102	850	1695	2120	2350	2595	2905	3410	26925	***



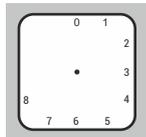
6 Way

1 P 6W	61063	465	615	885	1225	1255	1310	2000	***	***
2 P 6W	61083	765	***	1300	1930	2240	***	4215	***	***
3 P 6W	61103	1065	***	2440	2770	2985	***	3505	***	***



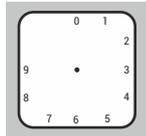
7 Way

1 P 7W	61064	475	695	960	1230	1300	1355	2100	***	***
2 P 7W	61084	800	***	1265	1940	2065	2875	3325	***	***
3 P 7W	61104	1110	***	2055	2555	***	3920	4620	***	***



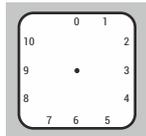
8 Way

1 P 8W	61065	540	755	950	1690	1895	2140	3465	***	***
2 P 8W	61085	875	***	1735	***	***	***	***	***	***



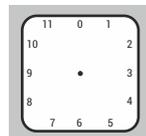
9 Way

1 P 9W	61066	555	***	***	***	***	***	***	***	***
2 P 9W	61086	990	***	2550	***	***	***	***	***	***



10 Way

1 P 10W	61067	640	920	1335	2895	***	***	***	***	***
2 P 10W	61087	1030	***	***	***	***	***	***	***	***



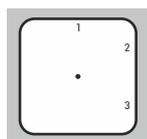
11 Way

1 P 11W	61068	765	***	1210	3165	***	***	***	***	***
2 P 11W	61088	1165	***	***	***	***	***	***	***	***

***Prices are available on request.

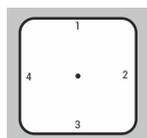
Program Code first 5 digits, Next 5 digits in (), For complete ordering code, kindly refer Page No.10

Multi Step Switches without OFF



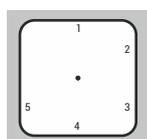
3 Way

Description	Cat. No. #	M.R.P. (₹) Per Unit								
		6A (SAB13)	10A (SBB13)	16A (SCB03)	25A (SEB03)	32A (SFB03)	40A (SGB03)	63A (SIB03)	100A (SKB03)	200A (SNB03)
1 P 3W W/O OFF	61049	260	405	560	715	745	1155	1305	***	8780
2 P 3W W/O OFF	61069	380	610	785	945	1420	1445	1700	8370	15805
3 P 3W W/O OFF	61089	555	755	1170	1380	1500	1930	2510	10930	17535
4 P 3W W/O OFF	61120	705	855	1360	1755	1865	4110	4540	***	22730



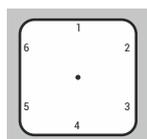
4 Way

1 P 4W W/O OFF	61050	290	440	670	860	900	1260	1745	5695	8970
2 P 4W W/O OFF	61070	430	665	795	1015	1120	1505	1960	8800	14210
3 P 4W W/O OFF	61090	590	705	1265	1625	1800	1970	2640	11590	19160
4 P 4W W/O OFF	61121	820	925	1480	1965	2090	2640	3515	14240	24245



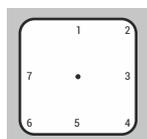
5 Way

1 P 5W W/O OFF	61051	355	455	735	970	1195	***	1800	7310	***
2 P 5W W/O OFF	61071	640	825	1020	1555	1955	***	***	***	18005
3 P 5W W/O OFF	61091	850	1695	1940	2130	2335	2485	3505	***	22895



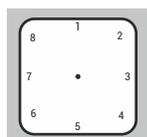
6 Way

1 P 6W W/O OFF	61052	370	745	805	1080	1230	1455	1840	8370	16395
2 P 6W W/O OFF	61072	750	875	1225	1925	1980	2010	2570	16685	21450
3 P 6W W/O OFF	61092	905	1595	2085	2300	2385	2625	3505	28380	44865



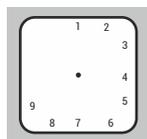
7 Way

1 P 7W W/O OFF	61053	465	695	890	1275	***	***	***	14755	***
2 P 7W W/O OFF	61073	800	***	1380	1965	***	***	3915	***	***
3 P 7W W/O OFF	61093	1110	***	2275	2980	***	***	4720	***	***



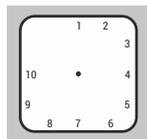
8 Way

1 P 8W W/O OFF	61054	475	820	1030	1300	1365	1510	2220	14020	***
2 P 8W W/O OFF	61074	845	1305	1735	2050	2220	***	4295	***	***
3 P 8W W/O OFF	61094	1185	***	2480	2675	2735	3135	4955	***	***



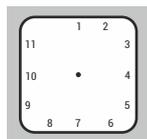
9 Way

1 P 9W W/O OFF	61055	555	***	1210	***	***	***	***	***	***
2 P 9W W/O OFF	61075	935	***	1725	***	***	***	***	***	***



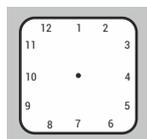
10 Way

1 P 10W W/O OFF	61056	595	880	1290	***	***	***	***	***	***
2 P 10W W/O OFF	61076	1040	***	***	***	***	***	***	***	***



11 Way

1 P 11W W/O OFF	61057	1100	***	***	***	***	***	***	***	***
2 P 11W W/O OFF	61077	1250	***	***	***	***	***	***	***	***



12 Way

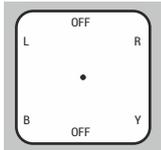
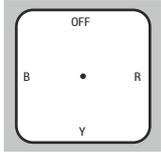
1 P 12W W/O OFF	61058	1160	***	1360	3270	3485	***	4395	***	***
2 P 12W W/O OFF	61078	1360	***	4060	***	***	***	***	***	***

***Prices are available on request.

Program Code first 5 digits, Next 5 digits in (), For complete ordering code, kindly refer Page No.10

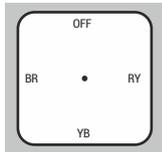


Ammeter Selector Switches (ASS)

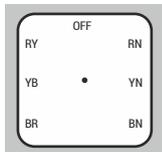


Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
Line Currents with OFF with CT	61325 SAB13TDYR	6A	380
Line Currents with OFF with CT	61325 SBB13TDYR	10A	395
Line Currents with OFF with CT	61325 SCB03TDYR	16A	595
Line Currents with OFF without CT	71000 SCB03TDYR	16A	1740
Direct Currents with OFF without CT	71000 SEB03TDYR	25A	2025
Direct Currents with OFF without CT	71000 SFB03TDYR	32A	2430
Direct Currents with OFF without CT	71000 SGB03TDYR	40A	4285
Direct Currents with OFF without CT	71000 SIB03TDYR	63A	4520

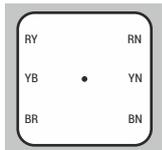
Voltmeter Selector Switches (VSS)



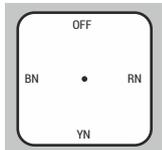
Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
Voltage between Phases with OFF	61312 SAB13TDYR	6A	280
Voltage between Phases with OFF	61312 SBB13TDYR	10A	365
Voltage between Phases with OFF	61312 SCB03TDYR	16A	530



Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
Voltage between Phases & Individual Phases to Neutral with OFF	61313 SAB13TDYR	6A	500
Voltage between Phases & Individual Phases to Neutral with OFF	61313 SBB13TDYR	10A	705
Voltage between Phases & Individual Phases to Neutral with OFF	61313 SCB03TDYR	16A	1000

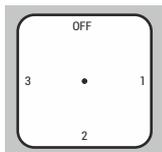


Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
Voltage between Phase & Phase to Neutral without OFF	61314 SBB13TDYR	10A	705



Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
Voltage between Phase & Phase to Neutral without OFF	61311 SAB13TDYR	6A	500

Ammeter & Voltmeter Combined Switch



Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
Voltage between Phases to Neutral & Current of that Phase	61338 SBB13TDYR	10A	745



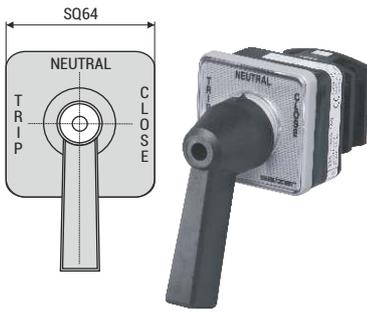
Control your breaker remotely
through TNC switch

Breaker Control Switches (Trip-Neutral-Close)

- › 1NO+1NO, 2NO+2NC model available in 25A
- › Barrel lock option available
- › Lost motion contact (LMD) & Sequence Locking available



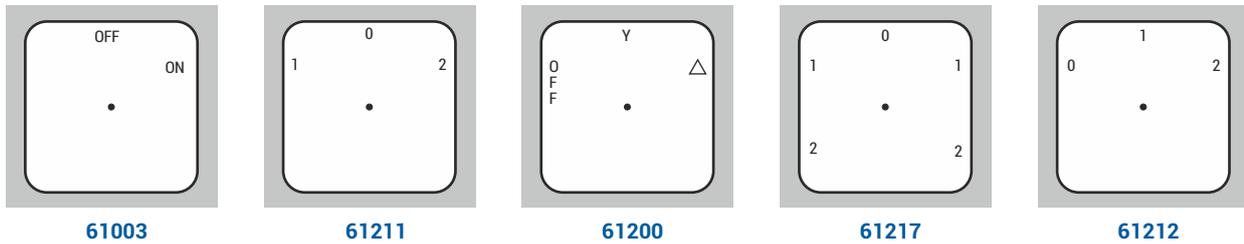
Breaker Control Switches (Trip - Neutral - Close)



Rating	Contact Arrangement	Mounting Type	Cat. No.	M.R.P. (₹) Per Unit
25A	1Trip + 1Close	Standard	73257SEB03PGBB	1405
25A	1Trip + 1Close	Standard	73257SEB03PGYR	1405
25A	1Trip + 1Close	Standard	73257SEB03PGGB	1405
25A	1Trip + 1Close	Barrel Lock	73257SEB90PGBB	2040
25A	2Trip + 2Close	Standard	72009SEB03PGBB	1650
25A	2Trip + 2Close	Standard	72009SEB03PGYR	1650
25A	2Trip + 2Close	Standard	72009SEB03PGGB	1650
25A	2Trip + 2Close	Barrel Lock	72009SEB90PGBB	2500

Other option such as sequence inter lock (SIL) & lost motion device (LMD) available on request.

Motor Duty Switches

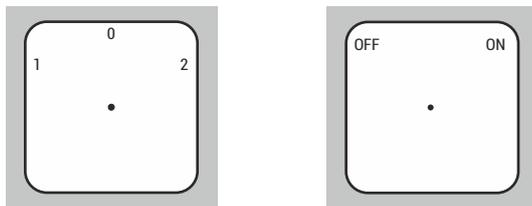


Description	Cat. No. #	M.R.P. (₹) Per Unit						
		16A (SCB03)	25A (SEB03)	32A (SFB03)	40A (SGB03)	63A (SIB03)	100A (SKB03)	200A (SNB03)
ON - OFF Switch	61003	855	1075	1195	1500	2155	7350	9570
FOR - OFF - REV Switch	61211	645	795	945	2475	3020	7320	11805
Star - Delta Switch	61200	855	1130	1415	2175	2785	***	***
2 Speed for FOR - OFF - REV Switch	61217	***	2045	***	3515	***	***	***
2 Speed forward Switch	61212	940	1860	2330	2935	3605	9160	10575

^ Supplied only with ball grip handle

Program Code first 5 digits, Next 5 digits in (), For complete ordering code, kindly refer Page No.10

Switches in Enclosure



73393, 71913

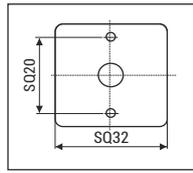
72244



Description	Cat. No.	Amps	M.R.P. (₹) Per Unit
FOR - OFF - Rev in SS with ball grip handle	73393SCM17BGXB	16A	880
FOR - OFF - Rev in SS with ball grip handle	71913SEM17BGYR	25A	1340
FOR - OFF - Rev in SS with ball grip handle	71913SFM17BGYR	32A	1845
3 Pole ON - OFF in SS	72244SEM17TDYR	25A	1165
3 Pole ON - OFF in SS	72244SFM17TDYR	32A	1595
3 Pole 2Way Without OFF in SS	61153SCM17TDYR	16A	1320

For any other rating requirement please contact nearest E&A branch office

Rotary Switch Accessories [8538]



Front Plate Assembly

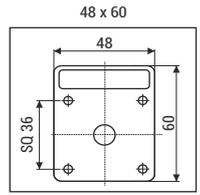
Description	Cat. No.	Size	M.R.P. (₹) Per Unit
Front Plate for 6 to 16A	FP16SQ48	48 x 48	40
Front Plate for 25 & 32A	FP32SQ64	64 x 64	85
Front Plate for 40 to 200A	FP200SQ88	88 x 88	125



Tear Drop Flag Knob Ball Grip Lever Handle

Handles & Knobs

Description	Cat. No.	Size	M.R.P. (₹) Per Unit
Flag Handle for 16A	KNFHS2	48 x 48, 48 x 60	25
Flag Handle for 25 - 32A	KNFHS3	64 x 64, 64 x 80	40
Ball Handle for 16 - 32A	HNBHS1	64 x 64, 64 x 80	115
Ball Handle for 40 - 63A	HNBHS2	88 x 88, 104 x 104	125
PG Handle for 16 - 32A	HNPGS1	64 x 64, 64 x 80	140
Lever Handle for 40 - 200A	HNLVS1	88 x 88, 104 x 104	180
Tear Drop for 6 - 16A	KNTDS1	48 x 48, 48 x 60	25
Tear Drop for 16 - 32A	KNTDS2	64 x 64, 64 x 80	40
Tear Drop for 40 - 400A	KNTDS3	88 x 88, 104 x 104	90



Special Front Plate Assembly

Description	Cat. No.	Size	M.R.P. (₹) Per Unit
SPL IND Plates upto 16A	FPRT4860	48 x 60	85
SPL IND Plates for 16 - 32A	FPRT6480	64 x 80	140

Script Plate (marking plate)

Description	Cat. No.	Size	M.R.P. (₹) Per Unit
Script Plate for 6 - 16A	SPSQ48	48 x 48	25
Script Plate for 16 - 32A	SPSQ64	64 x 64	30
Script Plate for 40 - 200A	SPSQ88	88 x 88	35
Script Plate for 6 - 16A	SPRT4816	48 x 16	10
Script Plate for 6 - 32A	SPRT6416	64 x 16	15

Mounting Plates (used for Back Fixing Plate)

Description	Cat. No.	Size	M.R.P. (₹) Per Unit
Rear MTG Plate for 6 - 16A	MPSQ48	48 x 48	15
Rear MTG Plate for 25 - 32A	MPSQ64	64 x 64	30
Rear MTG Plate for 40 - 63A	MPSQ88	88 x 88	80
Rear MTG Plate for 80 - 400A	MPSQ104	104 x 104	140
DIN Rail Attachment upto 32A	B21DIN35	-	125

Wall Type Mounting Boxes (upto 32A - maximum 4 Contacts)

Description	Cat. No.	M.R.P. (₹) Per Unit
Plastic / ABS Enclosure B17 16A upto 3 Stage / 25A upto 2 Stage	WMBABS	875
Aluminium Enclosure B17 16A upto 3 Stage / 25A upto 2 Stage	WMBAL	1445
SS Enclosure M17 upto 32A - 4 Stage	WMBSS	540



B31 PVC Enclosure

Note : Switches to be order separately.

Shrouding Cover (maximum 6 Contacts Round Type)

Description	Cat. No.	M.R.P. (₹) Per Unit
Shrouding Cover for 6 - 10A	SHCS1	90
Shrouding Cover for 16A	SHCS2	90
Shrouding Cover for 25 - 32A	SHCS3	130
Shrouding Cover for 40 - 63A	SHCS4	140
Special Cover for Extended Termination 80 - 400A (maximum 2 Contact Stage)	SHCS5	1050

Ordering Code for Rotary Switches

Example for : 1. Programme Code 2. Type 3. Ampere 4. Mounting 5. Knob 6. Colour

25A 3 Pole 6 1 1 9 7 S E B 0 3 T D Y R

ON - OFF Switch

1. Programme Code

Programme	Programme Code
Isolators	Pg. No. 1
Changeovers Switches	Pg. No. 1
Phase Changeovers Switches	Pg. No. 2
Spring Return Switches	Pg. No. 3
Multistep Switches with OFF	Pg. No. 4
Multistep Switches without OFF	Pg. No. 5
Instrumentation Switches	Pg. No. 6
Motor Control Switches	Pg. No. 8
Switches in SS Enclosure	Pg. No. 8
Breaker Control Switches	Pg. No. 8

2. Type Selection

Type	Code
S-Series (6 to 400A)	S
Touch Proof (6 to 16A)	T
Rear Access Termination (16 to 63A)	R
Phase Selector Only for 1 Pole 3 Way with OFF (25 to 63A)	P
DC Switches (16 to 500A)	D



S Series
Open Version



TP Series
Touch Proof



RT Series
Touch Proof &
Rear Termination

3. Ampere Selection

Ampere	Code	Ampere	Code
6	A	100	K
10	B	125	L
16	C	160	M
20	D	200	N
25	E	250	O
32	F	300	P
40	G	400	Q
50	H	500	R
63	I	600	S
80	J	800	T

4. Mounting Style



B03/B13
Standard Mounting



B19/B14
Single Hole Mounting



B33
Round Padlock



B30
Rectangular Padlock



B63
Key Lockable Type



B17
ABS Enclosure



M17
Metal Enclosure



B02
Rear/Base Mounting



B21
DIN Rail Mounting



B42
Rear Mounting with Door Interlock

5. Knob / Handle Selection

Code - TD	Code - FH	Code - PG	Code - BG	Code - LV
				
Tear Drop	Flag Knob	Pistol Grip	Ball Grip	Lever Handle

6. Color Combination Selection Table

Code - YR	Code - GB	Code - BB	Code - AB
			
Yellow Front Plate Red Knob	Grey Front Plate Black Knob	Black Front Plate Black Knob	Aluminum Foil with Black Knob

Front Plate

Standard Style	Frame Size	Bigger Style
Current Ratings 6/10 Amps		Current Ratings ---
16/20 Amps		6/10 Amps
25/32 Amps		16/20 Amps
S40 Amps & above		25/32 Amps
-		S40 Amps & above

- Note :** 1. For ratings of 6/10A, standard mounting style is B13
2. Single hole mounting equivalent of B03 is B19 and B13 is B14.

Mounting Feasibility

Mounting Code	Description	Feasibility					
		6/10A	16/20A	25/32A	40/63A	80/100/125A	200/400A
B03	Front Mounting, Standard Mounting plate		✓	✓	✓	✓	✓
B13	Front Mounting with next size plate	✓	✓	✓	✓	✓	✓
B00	Front Mounting 48 x 48 plate for 25/32A and 64 x 64 plate for 40/63A			✓	✓		
B19	Single Hole Mounting 32 x 32 plate for 6/10A only 48 x 48 Plate for 16-32A	✓	✓	✓			
B14	Single Hole Mounting 48 x 48 plate for 6/10A	✓					
B33	Front Mounting with Round Padlock for 2 Position (for Isolators)		✓	✓	✓	✓	✓
B30	Front Mounting with Rectangular Padlock 2 Position (for Isolators)		✓	✓	✓	✓	✓
B63	Key Lockable type (Handle/Knob)		✓	✓	✓		
B90	Center Key Lock (Pistol grip Handle in black color only)		✓	✓			
B02	Rear / (Back/Base) Mounting	✓	✓	✓	✓	✓	✓
B21	DIN Rail Mounting on 35 mm Rail 6-32 Amps	✓	✓	✓			
B32	Rear / Base Mounting, Door Interlock + Rectangular Padlock (B30+B42)Base		✓	✓	✓	✓	✓
B34	Rear / Base Mounting Door Interlock + Round Padlock (B33+B42)		✓	✓	✓	✓	✓
B41	Rear Mounting with Clutch Mechanism on Door (Door Open in all position without Interlock)		✓	✓	✓	✓	✓
B42	Rear Mounting with Interlock Mechanism on Door		✓	✓	✓	✓	✓
F47	Door Clutch, Mounting Plate at front		✓	✓	✓	✓	✓
B17	ABS Enclosure Max stages	upto 4	upto 3	upto 5	upto 5		
B31	ABS Enclosure with Round Padlock (B33+B17) Max stages		upto 2	upto 2	upto 2		
M17	Metal Enclosure Max stages	upto 4	upto 4	upto 3			
A17	Aluminium Enclosure Max stages	upto 4	upto 3	upto 2			
B40	Single Hole Mounting with Padlock 48 x 48 Plate For 16-32A		✓	✓			
B43	Single Hole Mounting with Center key 48 x 48 Plate for 16-32A		✓	✓			
B45	Single Hole Mounting with Round Ring with Knob 16A-32A		✓	✓			

DC Switches

- › Available from 16A to 500A
- › Used for railway coaches lighting & fan circuits switching, all DC power circuits - Railways, Telecommunications & Power plants, Battery charging equipment
- › Please contact nearest branch office for prices



3 Pole EB - GEN Changeover Switches



B13 Mounting

Description	Cat. No.	M.R.P. (₹) Per Unit						
		25A (E)	32A (F)	40A (G)	63A (I)	80A (J)	100A (K)	125A (L)
3 Pole C/O Front Panel Mounting	EBX31153B13BGYR	2861	2980	3476	3617	*	*	*
3 Pole C/O Rear Mounting	EBX31153MB42BGYR	3320	3440	4004	4129	7380	9233	11534
3 Pole C/O in SS Enclosure	EBX31153SB31BGYR	3969	4077	4719	4859	*	*	*
3 Pole C/O Rear Mounting	EBX31153B21BGYR	3320	3440	4004	4129	7380	9233	11534
3 Pole C/O Rear Mounting	EBX31153MB34LHGB	3320	3440	4004	4129	7380	9233	11534
3 Pole C/O in Polycarbonate Enclosure	EBX31153B31LBGYR	3969	4077	4719	4859	*	*	*
3 Pole C/O in SS Enclosure	EBX31153SB31XLLHYR	*	*	*	*	10429	12269	14570

4 Pole EB - GEN Changeover Switches



MB42 Mounting

Description	Cat. No.	M.R.P. (₹) Per Unit						
		25A (E)	32A (F)	40A (G)	63A (I)	80A (J)	100A (K)	125A (L)
4 Pole C/O Front Panel Mounting	EBX31154B13BGYR	3320	3440	4077	4195	*	*	*
4 Pole C/O Rear Mounting	EBX31154MB42BGYR	3739	3883	4585	4773	9307	11646	14548
4 Pole C/O in SS Enclosure	EBX31154SB31BGYR	4425	4597	5332	5521	*	*	*
4 Pole C/O Rear Mounting	EBX31154B21BGYR	3739	3883	4585	4773	9307	11646	14548
4 Pole C/O Rear Mounting	EBX31154MB34LHYR	3739	3883	4585	4773	9307	11646	14548
4 Pole C/O in Polycarbonate Enclosure	EBX31154B31LBGYR	4425	4597	5332	5521	*	*	*
4 Pole C/O in SS Enclosure	EBX31154SB31XLLHYR	*	*	*	*	12355	14677	17597

Rating Selection Table



SB31 Enclosure

Ampere (A)	Code (□)
25	E
32	F
40	G
63	I

Note : SB 31 Enclosure for 25A to 63A ratings.

B21 Mounting model is similar to B13 model with links provided on the common side.

*** - Please contact nearest E&A branch office.

Load Break Switches [8536]

AC ON LOAD ISOLATORS

- › AC 23 Utilization category
 - › Range from 16-125 Amps upto 8 pole
 - › Multiple mounting options, ABS / Aluminium sheet steel enclosures / IP65 / NEMA Rated
 - › Add on pole Power / Neutral & Auxiliary pole
 - › Changover switches from 25-125 Amps upto 4 poles
- Confirms to IEC 60947-1 & 3, EN 60947-3, UL60947-4-1



LB 3 Pole ON - OFF Switches

Description	Cat. No.	Can also be given on request	M.R.P. (₹) Per Unit								
			16A (C)	20A (D)	25A (E)	32A (F)	40A (G)	63A (I)	80A (J)	100A (K)	125A (L)
Single Hole MTG Switch with Flag Knob	LBX32300B19FPYR		982	1002	*	*	*	*	*	*	*
Front Plate MTG with Flag Knob	LBX32300B40FPYR		955	982	*	*	*	*	*	*	*
Front Panel MTG with B03 (48x48) Plate	LBX32300B03FLYR	32309	873	894	968	1002	1152	1235	*	*	*
Front Panel MTG with B13 (64x64) Plate with Flag Knob	LBX32300B13FLYR	32306/32309	873	894	968	1002	1152	1235	3123	3918	4921
Front Panel MTG with B13 (64x64) Plate with BG Handle	LBX32300B13BGYR	32309	*	*	1065	1101	1246	1317	*	*	*
DIN Rail MTG Switch with Flag Knob	LBX32300B23FLGB		*	*	968	1002	1152	1235	*	*	*
Rectangular Pad Lock Switch with TDYR	LBX32300B30TDYR		*	*	1172	1235	1355	1426	*	*	*
Round Pad Lock Switch with RDYR	LBX32309B33RDYR		955	981	1065	1101	1246	1317	3386	4226	5281
Switch with B63 Lock & Key Version	LBX32309B63TDYR		*	*	1619	1693	1834	1883	*	*	*
Base MTG Switch with DIL and Pad Lock	LBX32309MB34RDYR		1525	1572	1693	1786	1860	2002	4511	5632	7041
Base MTG Switch with BG Handle	LBX32309MB42BGYR		1525	1572	1693	1786	1860	2002	4511	5632	7041
Switch in Polycarbonate Enclosure - in B31SM	LBX32300B31SMRDYR		1935	1993	2153	2208	*	*	*	*	*
Switch in Polycarbonate Enclosure - in B31M	LBX32309B31MRDYR		*	*	*	*	2415	2476	*	*	*
Switch in Polycarbonate Enclosure - in B31L with Leech Handle	LBX32309B31LLHYR		*	*	*	*	*	*	6354	7488	8886
Switch in SS Enclosure - in SB31L with Leech Handle	LBX32309SB31LLHYR		*	*	*	*	*	*	6354	7488	8886

Note : To make the complete cat number, replace "X" in the above cat.no with the appropriate current rating code.(Example: For LBX32300B19FPYR with a 16A rating (16A code = C), the complete code becomes LBC32300B19FPYR.)

LB 4 Pole ON - OFF Switches

Description	Cat. No.	Can also be given on request	M.R.P. (₹) Per Unit								
			16A (C)	20A (D)	25A (E)	32A (F)	40A (G)	63A (I)	80A (J)	100A (K)	125A (L)
Single Hole MTG Switch with Flag Knob	LBX32400B19FPYR		1220	1248	*	*	*	*	*	*	*
Front Plate MTG with Flag Knob	LBX32400B40FPYR		1199	1220	*	*	*	*	*	*	*
Front Panel MTG with B03 (48x48) Plate	LBX32400B03FLYR	32409	1113	1137	1236	1271	1487	1572	*	*	*
Front Panel MTG with B13 (64x64) Plate with Flag Knob	LBX32400B13FLYR	32406/32409	1113	1137	1236	1271	1487	1572	3834	4810	6028
Front Panel MTG with B13 (64x64) Plate with BG Handle	LBX32400B13BGYR	32409	1332	1367	1584	1657	*	*	*	*	*
DIN Rail MTG Switch with Flag Knob	LBX32400B23FLGB		*	*	1236	1271	1487	1572	*	*	*
Rectangular Pad Lock Switch with TDYR	LBX32400B30TDYR		*	*	1437	1498	1689	1764	*	*	*
Round Pad Lock Switch with RDYR	LBX32409B33RDYR		1199	1220	1332	1367	1584	1657	3918	4892	6116
Switch with B63 Lock & Key Version	LBX32409B63TDYR		*	*	1883	1958	2170	2221	*	*	*
Base MTG Switch with DIL and Pad Lock	LBX32409MB34RDYR		1764	1812	1958	2050	2200	2343	5224	6522	8150
Base MTG Switch with BG Handle	LBX32409MB42BGYR		1764	1812	1958	2050	2200	2343	5224	6522	8150
Switch in Polycarbonate Enclosure - in B31SM	LBX32400B31SMRDYR		2170	2235	2415	2474	*	*	*	*	*
Switch in Polycarbonate Enclosure - in B31M	LBX32409B31MRDYR		*	*	*	*	2750	2812	*	*	*
Switch in Polycarbonate Enclosure - in B31L with Leech Handle	LBX32409B31LLHYR		*	*	*	*	*	*	7068	8378	9997
Switch in SS Enclosure - in SB31L with Leech Handle	LBX32409SB31LLHYR		*	*	*	*	*	*	7068	8378	9997
Auxiliary Contact	FM / RM		245	245	303	303	303	303	894	894	894
Add-on Contact Additional Pole	FM / RM		253	263	283	317	369	398	1044	1289	1434

Note : Standard packing upto 63A switches is 5 Nos.

Note : To make the complete cat number, replace "X" in the above cat.no with the appropriate current rating code.(Example: For LBX32300B19FPYR with a 16A rating (16A code = C), the complete code becomes LBC32300B19FPYR.)

All Switches are Engineered with Nylon material Housing



Ordering Code for Load Break and Changeover Switches

LB Load Break Switch	 Switch Rating	XXXXX Programme Code	XXXXX Mounting Options	XX Knob Options	XX Colour
---	--	--	--	-----------------------------------	--------------------------

Example

LB Switches, 63A, 3P, 9 O'clock, 4 hole front mounting, with metal shaft, yellow front plate, red knob

LB I 32309 MB34 RD YR

LB	I	32309	MB34	RD	YR	Description
---	---	---	---	---	---	Yellow Front Plate/ Red Knob
---	---	---	---	---	---	64 x 64 Front Plate Round Knob with Padlock (R)
---	---	---	---	---	---	Metal Shaft with Round Knob with Padlock and Interlock
---	---	---	---	---	---	3Pole 9 O' Clock "OFF"
---	---	---	---	---	---	63A
---	---	---	---	---	---	Load Break Switch

Accessories

LB X Switch Rating	X F-Front Mounting R-Rear Mounting	XX MC-Main Module NC-Neutral Module AC-Auxiliary Module	XXX 20 - 16A to 20A 32 - 25A to 32A 63 - 40A to 63A 80 - 80A 125 - 100A, 125A & 80A
--------------------------------------	--	--	---

LB	I	R	NC	32	Description
---	---	---	---	---	32A
---	---	---	---	---	Neutral Module
---	---	---	---	---	Rear Mounting
---	---	---	---	---	63 A
---	---	---	---	---	Load Break Switch

Rating Selection Table

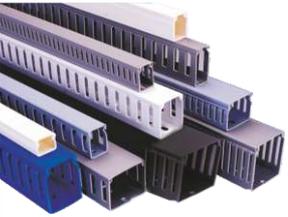
Ampere (A)	Code (□)
16	C
20	D
25	E
32	F
40	G
63	I
80	J
100	K
125	L

*** **Note** : Please contact nearest E&A branch office.

Cable Ducts [8538]

PVC Cable Ducts

› All ducts are ROHS compliant and FRLS › Also available in Zero Halogen

Type A 	Description	1 meter			2 meter				
	H x W	Cat. No.(Standard slot Grey)	M.R.P. (₹) Per Unit	Std. Pkg.	Min Order Qty	Cat. No.(Standard slot Grey)	M.R.P. (₹) Per Unit	Std. Pkg.	Min Order Qty
 Specially designed profiles of duct and cover for fast and efficient locking.	A 15 x 15	WWA1515SG	67	100	100	WWA1515SG2	134	64	64
	A 15 x 25	WWA1525SG	93	100	100	WWA1525SG2	186	64	64
	A 25 x 25	WWA2525SG	111	70	70	WWA2525SG2	222	48	48
	A 30 x 25	WWA3025SG	123	70	70	WWA3025SG2	246	48	48
	A 40 x 30	WWA4030SG	153	75	75	WWA4030SG2	306	32	32
	A 45 x 25	WWA4525SG	156	75	75	WWA4525SG2	312	40	40
	A 45 x 30	WWA4530SG	157	50	50	WWA4530SG2	314	32	32
	A 45 x 45	WWA4545SG	199	50	50	WWA4545SG2	398	18	18
	A 45 x 60	WWA4560SG	240	50	50	WWA4560SG2	480	12	12
	A 60 x 25	WWA6025SG	199	50	50	WWA6025SG2	398	18	18
	A 60 x 45	WWA6045SG	234	50	50	WWA6045SG2	468	18	18
	A 60 x 60	WWA6060SG	277	32	32	WWA6060SG2	554	12	12
	A 60 x 120	WWA60120SG	942	18	90	WWA60120SG2	1884	8	80
	A 75 x 45	WWA7545SG	290	40	40	WWA7545SG2	580	12	12
	A 75 x 75	WWA7575SG	409	32	32	WWA7575SG2	818	12	12
	A 80 x 80	WWA8080SG	457	25	25	WWA8080SG2	914	12	12
	A 100 x 100	WWA100100SG	739	18	18	WWA100100SG2	1478	8	40

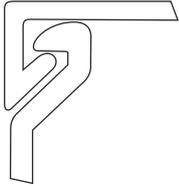


A Type

- * Snap fit cover
- * Easy to remove



Type B



Non slip cover design of minimum encumbrance and maximum grip



B Type

- * Non - slip cover
- * Positive locking

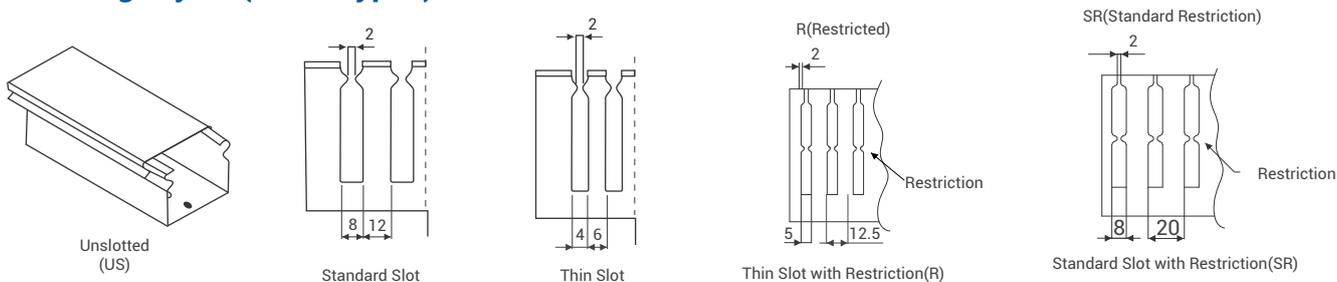
Description	1 meter					2 meter			
	W x H	Cat. No. (Standard slot)	M.R.P. (₹) Per Unit	Std. Pkg.	Min Order Qty	Cat. No. (Standard slot)	M.R.P. (₹) Per Unit	Std. Pkg.	Min Order Qty
B 25 x 25	WWB2525SG	119	70	70	WWB2525SG2	238	36	36	
B 25 x 30	WWB2530SG	128	100	100	WWB2530SG2	256	36	36	
B 25 x 40	WWB2540SG	156	75	75	WWB2540SG2	312	36	36	
B 25 x 45	WWB2545SG	162	75	225	WWB2545SG2	324	36	108	
B 25 x 60	WWB2560SG	205	50	50	WWB2560SG2	410	18	18	
B 25 x 80	WWB2580SG	278	50	50	WWB2580SG2	556	18	18	
B 25 x 100	WWB25100SG	353	25	25	WWB25100SG2	706	18	18	
B 30 x 20	WWB3020UG	156	100	200	WWB3020UG2	312	36	180	
B 30 x 80	WWB3080SG	385	50	200	WWB3080SG2	770	18	90	
B 40 x 40	WWB4040SG	205	50	50	WWB4040SG2	410	18	18	
B 45 x 45	WWB4545SG	212	50	50	WWB4545SG2	424	18	18	
B 40 x 60	WWB4060SG	248	50	50	WWB4060SG2	496	18	18	
B 40 x 80	WWB4080SG	294	50	50	WWB4080SG2	588	18	18	
B 40 x 100	WWB40100SG	369	25	25	WWB40100SG2	738	12	12	
B 45 x 20	WWB4520UG	163	75	225	WWB4520UG2	326	36	180	
B 50 x 100	WWB50100SG	424	30	90	WWB50100SG2	848	12	60	
B 60 x 20	WWB6020UG	222	50	200	WWB6020UG2	444	18	90	
B 60 x 40	WWB6040SG	248	50	50	WWB6040SG2	496	18	90	
B 60 x 60	WWB6060SG	294	50	50	WWB6060SG2	588	12	12	
B 60 x 80	WWB6080SG	382	40	40	WWB6080SG2	764	12	12	
B 60 x 100	WWB60100SG	503	30	30	WWB60100SG2	1006	8	8	
B 72 x 64	WWB7264SG	353	32	96	WWB7264SG2	706	18	90	
B 75 x 75	WWB7575SG	496	32	96	WWB7575SG2	992	8	40	
B 75 x 100	WWB75100SG	519	25	75	WWB75100SG2	1038	8	40	
B 80 x 40	WWB8040SG	300	50	100	WWB8040SG2	600	12	60	
B 80 x 60	WWB8060SG	397	40	80	WWB8060SG2	794	12	60	
B 80 x 80	WWB8080SG	494	32	32	WWB8080SG2	988	12	12	
B 80 x 100	WWB80100SG	555	24	24	WWB80100SG2	1110	8	8	
B 100 x 60	WWB10060SG	473	30	30	WWB10060SG2	946	8	8	
B 100 x 80	WWB10080SG	555	25	25	WWB10080SG2	1110	8	8	
B 100 x 100	WWB100100SG	809	18	18	WWB100100SG2	1618	8	8	
B 120 x 80	WWB12080SG	786	18	90	WWB12080SG2	1572	8	40	
B 150 x 100	WWB150100SG	1010	12	48	WWB150100SG2	2020	4	40	
B 150 x 150	WWB150150SG	2195	8	80	WWB150150SG2	4390	2	40	

Note : 1) For any special colour request additional 10% will be charged on price. For cut length additional 10% will be charged.
 2) Thin / Unslot will be supplied on request. For thin slot replace the cat. number ending with SG by TG,
 For un slotted channel replace the cat. number ending with SG by UG. MRP will be same as standard slot.

Covers for FRLS Cable Duct (Cable duct comes with default covers, following are spare offerings)

	Description	Cat. No.	M.R.P. (₹) Per Unit
		Cover for 15 mm A type	CCA15SG
Cover for 25 mm A type		CCA25SG	48
Cover for 30 mm A type		CCA30SG	59
Cover for 45 mm A type		CCA45SG	92
Cover for 60 mm A type		CCA60SG	110
Cover for 75 mm A type		CCA75SG	139
Cover for 80 mm A type		CCA80SG	165
Cover for 100 mm A type		CCA100SG	202
Cover for 25 mm B type		CCB25SG	50
Cover for 30 mm B type		CCB30SG	61
Cover for 40 mm B type		CCB40SG	76
Cover for 45 mm B type		CCB45SG	94
Cover for 50 mm B type		CCB50SG	113
Cover for 60 mm B type		CCB60SG	113
Cover for 72 mm B type		CCB72SG	143
Cover for 75 mm B type		CCB75SG	143
Cover for 80 mm B type		CCB80SG	171
Cover for 100 mm B type		CCB100SG	208
Cover for 120 mm B type	CCB120SG	222	
Cover for 150 mm B type	CCB150SG	260	

Slotting Styles (A & B Types)



These products are manufactured by

salzer

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Control & Protect Your Panels with **Precision & Reliability**



Earth Leakage Relay

Built on Trust. Designed for high performance.

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Wide trip time setting from 0-10 sec

ULTIMATE DIGITAL VOLTAGE MONITORING RELAY WITH ADVANCED NEUTRAL LOSS FEATURE



SWITCH TO **DIGITAL VOLTAGE MONITORING RELAY-SM800**

Timing Devices, Supply Monitors & ELR

Timers [9107]

Micon 175	Type	Time	Voltage	Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
	ON Delay	0.3 sec - 30 hrs	240 VAC/24 VAC/DC	1 C/O	120DT4	795
110 VAC/24 VAC/DC						
12 VDC						
ON Delay & Interval	0.1 sec - 100 hrs	240 VAC/24 VAC/DC	1 C/O	12WDTC	1155	
Star Delta Timer	3 sec - 120 sec	240 VAC	1 NO (Star)+1 NO (Delta)	12SDT0	895	
	3 sec - 30 sec	240 - 415 VAC	1 C/O (Star)+1 C/O (Delta)	14SDT1S	1480	
Signal OFF Delay	0.3 sec - 30 hrs	240 VAC/24 VAC/DC	1 C/O	12RDT4	1090	
	0.3 sec - 30 hrs	12 VDC				
Multifunction Timer	0.1 sec - 100 hrs	12 - 240 VAC/DC	1 C/O	1CMDT0	1855	
			2 C/O	1CMDTF	1975	
Asymmetrical ON/OFF & OFF/ON	0.1 sec - 100 hrs	12 - 240 VAC/DC	1 C/O	1CJDT0	1855	
One Shot	0.3 sec - 30 hrs	110 VAC/24 VAC/DC	1 C/O	11BDT4	1380	
		240 VAC/24 VAC/DC				
		12 VDC				
Forward Pause Reverse Timer	ON time : 6 sec -60 min Pause time : 0.1 sec-200 sec	12 - 240 VAC / DC	2 C/O	1CZDTF	1975	



Pause time for Micon 175 star delta timer is 60 msec

1CMDT0 contains ON Delay, Impulse, Signal ON delay, Cyclic ON/OFF, Cyclic OFF/ON, Signal OFF Delay, Signal OFF/ON, Accumulative Delay ON signal, Impulse ON/OFF, Leading edge impulse, Trailing edge impulse, Leading edge Bistable

On Delay and Star Delta Timer Precision in Every pulse. Reliability in Every Start



Micon 225 	Type	Timing Range	Voltage	Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
	ON Delay	0.1 sec - 10 hrs	24 - 240 VAC/DC	2 C/O	2AODT5	1750
	Star Delta Timer	3 sec - 120 sec	24 - 240 VAC/DC	1 NO (Star)+1 NO (Delta)	2ASDT0	1835
			240 - 415 VAC		2BSDT0	2165
	Multifunction Timer	0.1s to 120 days	24 - 240 VAC/DC	2 C/O (1 Inst+1 Delayed)	2A8DT6	1965
	Multifunction Multirange	0.1 sec - 10 hrs	24 - 240 VAC/DC	2 C/O	2A5DT5	1945
			240 - 415 VAC		2B5DT5	2340
	Signal Base Multi function - Multirange	0.1 sec - 10 hrs	24 - 240 VAC/DC	1 C/O	2ANDT0	2065
	Multifunction Timer 6 Functions	0.1 sec - 10 hrs	24 - 240 VAC/DC	2 C/O (1 Inst+1 Delayed for 6th Mode)	2A6DT6	2080
240 - 415 VAC			2B6DT6		2120	
True OFF Delay	0.6 sec - 600 sec	24 - 240 VAC/DC	2 C/O	23GDT0	2855	
Asymmetrical ON/OFF	0.1 sec - 10 hrs	24 - 240 VAC/DC	2 C/O	2AADT5	2200	

Pause time for Micon 225 star delta timer is 60 msec, 90 msec, 120 msec, 150 msec

Major timing functions

2A5DT5, 2B5DT5, 2A6DT6* and 2B6DT6* contains ON Delay, Interval, Cyclic ON/OFF, Cyclic OFF/ON, One Shot, ON Delay, On Delay (1 Inst + 1 Delayed)*

2ANDT0 contains ON Delay, Interval, Signal ON Delay, Accumulative ON Delay, Signal OFF Delay, Signal OFF/ON Delay, Leading edge impulse

2A8DT6 contains ON Delay, Impulse, Signal ON delay, Signal OFF delay, Step mode, One shot, Interval, Cyclic ON/OFF, Cyclic OFF/ON, Signal OFF Delay, Accumulative Delay ON signal, Impulse ON/OFF.

Digital Timer DIGICON 	Functions	Timer	Voltage	Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
	8 Functions	0.1 sec - 999 hrs	24 - 240 VAC/DC	1 C/O	V0DDTS	2075
			24 - 240 VAC/DC	2 NO	V0DDTD	2075
	18 Functions	0.1 sec - 999 hrs	24 - 240 VAC/DC	1 C/O	V0DDTS1	2350
24 - 240 VAC/DC			2 NO	V0DDTD1	2350	

V0DDTS and V0DDTD contains On Delay, Signal OFF Delay, Cyclic ON/OFF, Signal OFF/ON, Cyclic OFF/ON, Interval, Signal ON/OFF, One Shot output
V0DDTS1 and V0DDTD1 contains ON Delay, Cyclic OFF/ON, Cyclic ON/OFF, Impulse on energizing, Accumulative Delay ON Signal, Accumulative Delay on Inverted signal, Accumulative Impulse ON signal, Signal ON Delay, Inverted Signal On delay, Signal OFF Delay, Impulse ON/OFF, Signal OFF/ON, Leading edge impulse, Trailing edge impulse, Delayed impulse, Negative edge impulse.

Motor Restart Timer 	Functions	Timer	Voltage	Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
	Motor Restart Timer	Memory time Tm: 0.2 to 6 sec	110 VAC	1 C/O	23LDT0	2300
		Delay time Td: 0.2 to 60 sec	240 VAC		22LDT0	2300

Time Switches [9107]

 FM1 / Quartz	Product Description		Cat. No.	M.R.P. (₹) Per Unit
	FM1 / Quartz Daily	110 VAC - 240 VAC Base/DIN Mounting		

150 Hrs Battery Backup

 Digital Time Switch	Product Description		Cat. No.	M.R.P. (₹) Per Unit
	Time Switch (Crono)	110 - 240 VAC 1 C/O Base/DIN 25 ON/OFF Each		
24 VDC 1 C/O Base/DIN 25 ON/OFF Each		6GHDT0	3285	
12 VDC 1 C/O Base/DIN 25 ON/OFF Each		69HDT0	3460	
Time Switch (Crono Pro)	110 - 240 VAC 2 C/O Base/DIN 50 ON/OFF Each	WT2DCDS	3940	
	110 - 240 VAC 1 C/O Base/DIN 16 Pulse	67DDT9	3230	
Time Switch (Pulse) *	24V DC 1 C/O Base /Din 16 Pulse	6GHDT9	3645	
	12V DC 1 C/O Base /Din 16 Pulse	69HDT9	3830	

Crono Pro Crono / Pulse

* For bell and siren application

 Astro	Product Description		Cat. No.	M.R.P. (₹) Per Unit
	Astro Mini	110 - 240 VAC 1 Phase - 2W 1 C/O , Base/Din		
Astro Pro	110 - 240 VAC 1 Phase - 2W 2 C/O , Base/Din 50 ON/OFF Each	AS2DCDS	6615	
Astro	110 - 240 VAC 3 Phase - 4W 3 Channel 3 N/O , Base/Din	T3DDT0	13625	

Astro Pro Astro Mini

Note : Astro Mini / Astro Pro is used for lighting control based on sunrise / sunset timings by latitude / longitude settings primarily used in streetlight application



Supply Monitoring Devices [9032]

› SPP includes single phasing, phase sequence and phase unbalance monitoring with auto reset

Voltage Monitoring Relay Series	Type	Supply Monitoring Type	Time delay	Asymmetry	Voltage & Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit		
	 <p>SM 301</p>  <p>SM 500</p>  <p>SM 500 with Neutral Loss Protection</p>  <p>SM 501</p> <p>Digital VMR Series</p>  <p>SM 800</p>  <p>SM 600 (MMR)</p>	SM301 (3Ph, 3W)	Single Phasing Preventor (SPP*) Fail Safe	ON Delay 2 sec and OFF Delay 7 sec	65 VAC Asymmetry	415 VAC, 1 C/O	MA51BC	1220	
						415 VAC, 2 C/O	MC21B5	1780	
					40 VAC Asymmetry	415 VAC, 1 C/O	MA51BK	1210	
		SM301 (3Ph, 3W)	Phase loss monitoring Non Fail Safe Type	OFF Delay 500 msec and Recover Delay 2 Sec	30% Fixed	415 VAC, 1 C/O	MA59B5	1400	
			Selectable Under Voltage + Selectable Over Voltage	Selectable ON Delay (0 to 15 min)	-	240 VAC, 1 C/O	MD71B9	1890	
				Selectable ON Delay (0 to 15 sec)	-		MD71BH	1890	
				Selectable OFF Delay (0 to 15 sec)	-		MD71BF	2215	
		SM500 (3 Ph / 1 Ph, 4W)	Single Phasing Preventor + Selectable Under Voltage + Selectable Over Voltage	Selectable ON Delay (0 to 15 min) & OFF Delay 5 sec	Phase Asymmetry 10% fixed	240 VAC, 2 C/O	MG73B9	2310	
				Selectable ON Delay (0 to 15 sec) & OFF Delay 5 sec	Phase Asymmetry 10% fixed		MG73BH	2310	
				Selectable OFF Delay (0 to 15 sec) & ON Delay 5 sec	Phase Asymmetry 10% fixed		MG73BF	2310	
				SPP + UV/OV, with fixed UV (173 V) & OV (288 V)	Selectable ON (10 Sec) and OFF Delay (5 Sec)		Phase Asymmetry 20% fixed	MG73BR	2310
			SPP + Selectable UV + Selectable OV with Neutral Loss Protection	ON Delay 5 sec and OFF Delay 5 sec, 500ms-1s for Neutral fail	94 VAC Asymmetry	415 VAC, 3 Ph 4W, 2 C/O	MAC04 D0100	2310	
	SM501 (3 Ph, 3W)	SPP + Under Voltage (80% of ϕ)	Selectable ON Delay and OFF Delay 15 sec	Selectable Asymmetry (5% to 17%)	415 VAC, 2 C/O	MB53BM	2350		
				Single Phasing Preventor + Selectable Under Voltage + Selectable Over Voltage		Selectable ON Delay 15 sec & OFF Delay 5 sec	Phase Asymmetry 10%	MG53BH	2350
						Selectable OFF Delay 15 sec & ON Delay 5 sec	Phase Asymmetry 10%	MG53BF	2350
						ON Delay 5 sec and OFF Delay 5 sec	65 VAC Asymmetry	MG53BI	2220
						ON Delay 3 min and OFF Delay 5 sec UV 85% of ϕ OV 110% of ϕ	Phase Asymmetry 10%	MG53BO	2220
	SM 800 (3PH/ 3W, 4W)	Single Phasing Preventor+ Selectable Under Voltage + Selectable Over Voltage + Neutral Loss (Applicable for 3P4W).	Power ON Delay (0 to 999 sec) , OFF Delay (0.1 to 999 sec) & ON delay (0.5 to 999 sec)	Voltage: 5 to 99 VAC (Default 60V) , Percentage : 2 to 50% (Default 10%)	145-500 VAC (Line Voltage), 1C/O	DMS110	2250		
						145-500 VAC (Line Voltage), 2C/O	DMS120	2380	
						85-300 VAC/DC (Auxiliary Supply) (P-N), 2 C/O	DMA220	2625	
	SM 600 (3P, 3W)	Phase loss+ Phase Sequence +Phase Asymmetry + UV + OV+3 phase interruption	Power ON delay (5s Fixed),ON delay (1-30 sec or Fixed), OFF delay (0.1 - 30 sec or Fixed)	Voltage +_ 1% of set value	500V -1000V AC 2 C/O	SMB110	10850		

Note : 3 Ph 3W - 3 Phase 3 Wire system; 3 Ph 4W - 3 Phase 4 Wire system.

Voltage Monitoring Relay Series	Type	Supply Monitoring Type	Time delay	Asymmetry	Voltage & Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
	 <p>SM175 3 Ph, 3W</p>  <p>SM175 3 Ph, 4W</p>	SM175 (3 Ph, 3W)	Phase loss + Phase Sequence Monitoring	ON Delay 500 msec & OFF Delay 100 msec	-	208 - 480 VAC, 1 C/O (Steps of 208 - 220 - 380 - 400 - 415 - 440 - 480 VAC)	MK21D5
ON Delay 500 msec & OFF Delay 100 msec				Phase Asymmetry (30% fixed)	MC21D5		1455
ON Delay 5 sec & OFF Delay 100 msec (0 to 15s Selectable)				Phase Asymmetry (5% to 15% variable)	MA21DN		1900
SM175 (3 Ph, 3W)		Phase Loss + Phase Sequence + Under Voltage + Over Voltage monitoring (UV: -2% to -20% of U_n , OV: 2% to 20% of U_n)	ON Delay 5 sec and Selectable OFF Delay (0 to 15 sec)	-	MD21DF		1900
			Selectable ON Delay (0.5 to 15 sec) and OFF Delay 5 sec	Phase Asymmetry (10% fixed)	MG21DH		2130
SM175 (3 Ph, 4W)		Phase loss+ Phase Sequence+ Under Voltage + Over Voltage (UV: -2% to -22% of U_n , OV: 2% to 22% of U_n)	ON Delay 5s and Selectable OFF Delay (0 to 15 sec)	Phase Asymmetry (10% fixed)	MG21DF		2130
	Phase loss+ Phase Sequence+ Under Voltage + Over Voltage (UV: -2% to -22% of U_n , OV: 2% to 22% of U_n)		Selectable ON delay (0 to 15 Sec), Selectable OFF delay (0 to 15 sec)	Phase Asymmetry (10% fixed)	MAG03D0424*	2430	
					MAG03D0425*	2430	
SM175 (3 Ph, 4W)	Phase loss+ Phase sequence+ Under Voltage + Over Voltage (UV: -5% to -25% / 60% of U_n (Fixed), OV: 5% to 25% of U_n / 110% of U_n (Fixed))	Selectable ON delay (0 to 15 sec/min), Selectable OFF delay (0 to 15 sec/min)	Phase Asymmetry (10% fixed/ 5% to 25% Selectable)	MAG03D0426*	2430		
		SM175 (3 Ph, 3W)	Phase loss Monitoring	ON delay 750 msec & OFF delay 500 msec	Phase Asymmetry (30% fixed)	415 VAC, 1 C/O	MAG03D0427*

* - Available till stock lasts.

Monitoring voltage. Safeguarding system.



Current Monitoring relay (CMR)

- › Microprocessor based relay protects against Overload, Phase reverse, Phase loss, Phase unbalance faults
- › Auto/ Manual reset selection
- › Fail- safe protection with inbuilt CT upto 45A
- › Inverse time model with underload, locked rotor protection and selectable trip class (10A, 10, 20, 30)
- › Definite time model with underload and selectable start and trip time

Current Monitoring relay	Phase	Type	Current & Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
		3 Phase	Inverse Time Current Monitoring Relay	2 - 5A, 1 C/O	17A422CB0
3 - 9A, 1 C/O				17A122CB0	
8 - 24A, 1 C/O				17A222CB0	
15 - 45A, 1 C/O				17A322CB0	
Definite Time Current Monitoring Relay			2 - 5A, 1 C/O	17B422AA0	
			3 - 9A, 1 C/O	17B122AA0	
		8 - 24A, 1 C/O	17B222AA0		
		15 - 45A, 1 C/O	17B322AA0		
1 Phase		Inverse Time Current Monitoring Relay	2 - 5A, 1 C/O	17C412EB0	2565
			3 - 9A, 1 C/O	17C112EB0	
			8 - 24A, 1 C/O	17C212EB0	
			15 - 45A, 1 C/O	17C312EB0	
	Definite Time Current Monitoring Relay	2 - 5A, 1 C/O	17D412DA0		
		3 - 9A, 1 C/O	17D112DA0		
8 - 24A, 1 C/O		17D212DA0			
15 - 45A, 1 C/O		17D312DA0			

PTC Thermistor Relay Series	Relay Type	Description	Cat. No.	M.R.P. (₹) Per Unit
		Thermistor Relay	110 - 240 VAC, 2 C/O	MJ83BK
220 - 440 VAC, 2 C/O			MJ93BK	2670
24 VAC/DC, 2 C/O			MJA3BK	3095
110 - 240 VAC, 1 C/O			MJ81BK	2445
220 - 440 VAC, 1 C/O			MJ91BK	2480

Hour Meter & Counter [9029]

Hour Meters	Product Description	Cat. No.	M.R.P. (₹) Per Unit												
		HM36, 85 - 265 VAC Flush Mounting	LA25F1	1010											
HM 36, 10 - 80 VDC Flush Mounting		LD17F1	1530												
HM36, 92 - 264 / 270 - 460 VAC Base - DIN Mounting		30A6B1	1100												
HM36, 10 - 80 VDC Base/DIN Mounting		30D1B1	1530												
Digital Hour Meter/Digital Counter (Resettable)		Z□□FB□	1835												
Hour Meter / Counter Z □ □ FB □ <table border="0" style="margin-left: 20px;"> <tr> <td style="border: 1px solid black; padding: 2px;">Voltage</td> <td style="border: 1px solid black; padding: 2px;">1 Hour Meter</td> <td style="border: 1px solid black; padding: 2px;">Bezel</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;">H 10 - 80 VDC</td> <td style="border: 1px solid black; padding: 2px;">2 Counter</td> <td style="border: 1px solid black; padding: 2px;">A Round</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;">7 85 - 265 VAC</td> <td></td> <td style="border: 1px solid black; padding: 2px;">B 24 x 48</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;">J 12 - 48 VAC/DC</td> <td></td> <td style="border: 1px solid black; padding: 2px;">C Screw Mount</td> </tr> </table>				Voltage	1 Hour Meter	Bezel	H 10 - 80 VDC	2 Counter	A Round	7 85 - 265 VAC		B 24 x 48	J 12 - 48 VAC/DC		C Screw Mount
Voltage	1 Hour Meter	Bezel													
H 10 - 80 VDC	2 Counter	A Round													
7 85 - 265 VAC		B 24 x 48													
J 12 - 48 VAC/DC		C Screw Mount													

Earth Leakage Relay [9032]

Earth Leakage Relays		Current Range	Type	Voltage & Contact Arrangement	Cat. No.	M.R.P. (₹) Per Unit
 <p>96 x 96 mm Earth Leakage Relay</p>  <p>DIN Mounted Earth Leakage Relay</p>  <p>CBCT</p>  <p>Rectangular CBCT</p>	30mA - 30A	Panel mounted (96 x 96 mm) Earth Leakage Relay	110 - 240 VAC/DC, 1 C/O (Pre-alarm) + 1 C/O (Fault)	17K716QF4N	4725	
			110 - 240 VAC/DC, 1 C/O (Pre-alarm) + 1 C/O (Fault) with RS 485	17K716QF4M	6795	
			240 - 415 VAC/DC, 1 C/O (Pre-alarm) + 1 C/O (Fault)	17K726QF4N	4725	
			240 - 415 VAC/DC, 1 C/O (Pre-alarm) + 1 C/O (Fault) with RS 485	17K726QF4M	6795	
		DIN mounted Earth Leakage Relay	110 - 240 VAC, 110 VDC, Manual reset	17G715GF2	4240	
			220 - 415 VAC, 220 VDC, Manual reset	17G745GF2		
			15 VDC, Manual reset	17G755GF2*		
			110 - 240 VAC, 110 VDC, Auto reset	17G715KF2		
			220 - 415 VAC, 220 VDC, Auto reset	17G745KF2		
			15 VDC, Auto reset	17G755KF2*		
		CBCT (moulded case) for Type A & AC Current	38 mm ID	17H7NNHN3	1455	
			57 mm ID	17H7NNIN3	1965	
			70 mm ID	17H7NNQN3	2235	
			92 mm ID	17H7NNJN3	2445	
			120 mm ID	17H7NNLN3	2550	
			210 mm ID	17H7NNKN3	4810	
		CBCT (moulded case) for Type AC Current	38 mm ID	17H7NNRN3	1090	
			57 mm ID	17H7NNVN3	1220	
70 mm ID	17H7NNSN3		1290			
92 mm ID	17H7NNTN3		1730			
120 mm ID	17H7NNUN3		2005			
Rectangular CBCT (moulded case) for Type AC Current	300 x 50 mm ID	17H9NNWN0	9610			
	350 x 150 mm ID	17H9NNXN0	11680			

* - Available till stock lasts.

- › CBCT for Type AC : For applications with sinusoidal alternating current from 30mA to 30 A.
- › CBCT for Type A and AC : For applications with sinusoidal alternating current (from 30mA to 30A) & pulsating DC current (from 30mA to 3A).
- › Please contact nearest branch office for requirements of higher dimension CBCTs.

These products are manufactured by



Disclaimer for Timing Devices and Supply Monitors

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We reserve the right to make changes, without prior notice, in the catalogue.

Products with CAT no. having, with or without, dot as suffix are same.

Elevate Your Panels with **superior illumination** & **aesthetic**



LED Indicators

Built on Trust. **Designed for high performance.**

LEDs with Inbuilt low voltage glow protection at 25% of rated voltage to avoid false indication due to stray voltages.

LEDs with >180 degree viewing angle for enhanced experience with uniform illumination.

Modular Remote Control Units

Note : All Cat.No. to be ordered in multiple of Standard Packing : 10, Except for Push Button Stations.

Gen Next Series

Gen Next Pro LED Indicator [8531]

› Surface Mounted Device LED technology

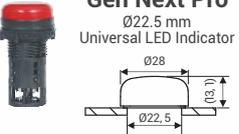
› Low Power consumption < 1W

› Surge & Low Voltage Glow Protection (LVGP)

 <p>Ø22.5 mm</p>	Description	Cat. No.	Colour (4 th Digit)	Voltage (5 th , 6 th , 7 th & 8 th Digit)	M.R.P. (₹) Per Unit
	 <p>Ø16 mm</p>	Gen Next Pro LED Indicator 22.5 mm	EPL□□□□□	R-Red G-Green Y-Yellow A-Amber B-Blue W-White	012C - 12 VAC/DC 024C - 24 VAC/DC 030C - 30 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC 110D - 110 VDC 240A - 240 VAC 220D - 220 VDC
	Gen Next Pro LED Indicator 16 mm	SPL□□□□□	R-Red G-Green Y-Yellow A-Amber B-Blue W-White	415A - 415 VAC	193 327 Blue & White
				012C - 12 VAC/DC 024C - 24 VAC/DC 110C - 110 VAC/DC 240A - 240 VAC	180 300 Blue & White

Note * : LED Indicator for Flame Proof Panel application available on request.

Universal LED Indicator [8531]

 <p>Gen Next Pro Ø22.5 mm Universal LED Indicator</p>	Description	Cat. No.	Colour (8 th Digit)	Voltage (9 th , 10 th , 11 th & 12 th Digit)	M.R.P. (₹) Per Unit
	Gen Next Pro Universal LED indicator	EPL□□□□□	R-Red G-Green Y-Yellow A-Amber B-Blue W-White	224C-24 to 240V AC/DC	460 552 Blue & White

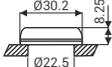
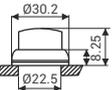
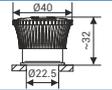
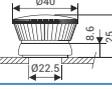
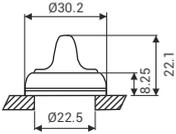
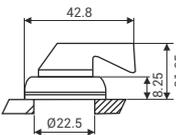
Introducing 16mm Pro LED Indicators

Compact in Design. Superior in Aesthetics.
Perfectly Crafted for Small-Size Panels.

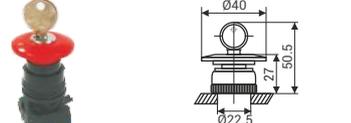
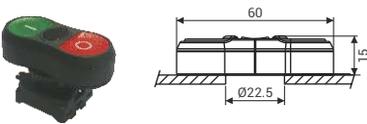


Gen Next Push Button & Selector Actuators Ø 22.5 mm [8538]

› Snap Mounting with compact contact blocks (EC1C & EC2C) › Max 3 row x 3 column stackable contact blocks

	Description	Cat. No.	Colour (4 th Digit)	M.R.P. (₹) Per Unit	
 	Flush Head	EMN□FD1	R-Red G-Green C-Black Y-Yellow W-White B-Blue A-Amber F-Gray	98	
 	Projecting Head Push Function	EMN□PD1	R-Red G-Green C-Black Y-Yellow W-White B-Blue A-Amber F-Gray	99	
 	Mushroom Head 'Push - Turn Function'	EMN□MH1	R-Red G-Green C-Black Y-Yellow	192	
 	Mushroom Head 'Push - Function'	EMN□MD1	R-Red G-Green C-Black Y-Yellow	139	
 	Symmetric Head	2 Position		273	
		 Non Spring Return EP09SK00□0000	R-Red G-Green C-Black W-White		
		 Spring Return EP09SI00□0000			
		3 Position			
		 Non Spring Return EP09SL00□0000			
		 Spring Return EP09SJ00□0000			
		 Spring Return L. H. EP09SM00□0000			
 Spring Return R. H. EP09SN00□0000					
 	Lever Head	2 Position		273	
		 Non Spring Return EMN□LK1	R-Red W-White C-Black		
		 Spring Return EMN□LI1			
		3 Position			
		 Non Spring Return EMN□LL1			
		 Spring Return EMN□LJ1			
		 Spring Return L. H. EMN□LM1			
 Spring Return R. H. EMN□LN1					

Gen Next Push Button & Selector Actuators Ø 22.5 mm [8538]

	Description	Cat. No.	Colour (4 th Digit)	M.R.P. (₹) Per Unit
			2 Position	C-Black
		 Non Spring Return EP09KK00□0000		
		 Spring Return EP09KI00□0000		
		3 Position		
		 Non Spring Return EP09KL00□0000		
		 Spring Return EP09KJ00□0000		
		 Spring Return L. H. EP09KM00□0000		
	 Spring Return R. H. EP09KN00□0000	410		
	Push Pull	EG02MG0□	R-Red	377
	Mushroom Head Lock And Key Actuator	EG02MQ0R00	R-Red	427
	Twin Touch with Black centre strip	EG02TD0I	-	195



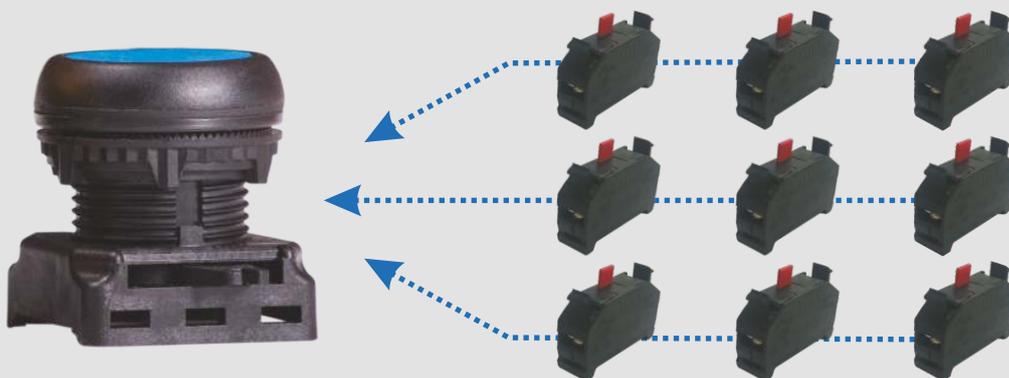
Brass Metal Coller Push Button

- Note :**
- Actuators & Selector Actuators with black ABS collar are offered as Standard
 - Actuators (except Mushroom Head Push - Pull Actuators) are also available with chrome plated ABS & Brass collar
 - Non-Illuminated Actuator
 - For PU Coated ABS Collar replace 7th digit 1 by 2 eg. : EMNPD[2]
 - For Brass Metal Collar replace 7th digit 1 by 3 eg. : EMNPD[3] (Please contact nearest branch office for MRP)
 - Illuminated Actuator
 - For PU Coated ABS Collar replace 4th digit 3 by 5 eg. : EG0[5]***
 - For Brass Metal Collar replace 4th digit 3 by 7 eg. : EG0[7]*** (Please contact nearest branch office for MRP)

Note * : In 2 position selector actuator, for operating style  replace 6th digit from K to R and for operating style , replace 6th digit from K to T

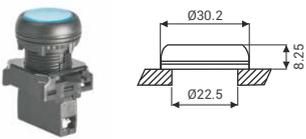
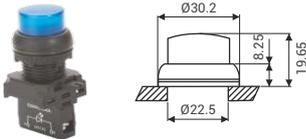
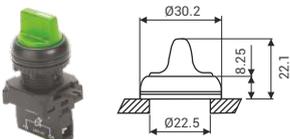
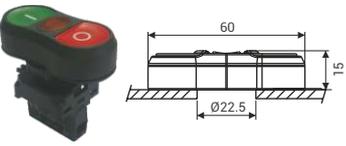
Stack smart control more

Operate nine contact blocks with just **one** push button



Gen Next Illuminated Push Button Actuators [8531]

› Snap Mounting with compact contact blocks (EC1C & EC2C)

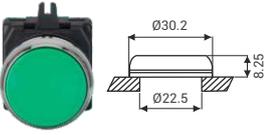
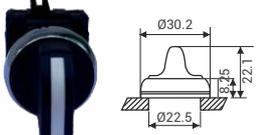
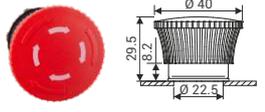
	Description	Cat. No.	Colour (8 th Digit)	Voltage (9 th , 10 th , 11 th & 12 th Digit)	M.R.P. (₹) Per Unit
	Flush Head	EG03FDL□□□□□	R-Red G-Green Y-Yellow A-Amber	012C - 12 VAC/DC 024C - 24 VAC/DC 030C - 30 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC 110D - 110 VDC	277
			B-Blue W-White	240A - 240 VAC 220D - 220 VDC	513 Blue and White
	Projecting Head (Push Function)	EG03PDL□□□□□	R-Red G-Green Y-Yellow A-Amber	012C - 12 VAC/DC 024C - 24 VAC/DC 030C - 30 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC 110D - 110 VDC	277
			B-Blue W-White	240A - 240 VAC 220D - 220 VDC	513 Blue and White
	Selector Actuator with LED holder	2 Position		R-Red G-Green Y-Yellow A-Amber B-Blue W-White	012C - 12 VAC/DC 024C - 24 VAC/DC 030C - 30 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC 110D - 110 VDC 240A - 240 VAC 220D - 220 VDC
		 Non Spring Return EG03SKL□□□□□	406		
		 Spring Return EG03SIL□□□□□			
		3 Position			
		 Non Spring Return EG03SLL□□□□□	605 Blue and White		
		 Spring Return EG03S JL□□□□□			
	Twin Touch with Led Holder	EG03TDL□□□□□	Y- Yellow A-Amber	012C - 12 VAC/DC 024C - 24 VAC/DC 030C - 30 VAC/DC 048C - 48 VAC/DC 064C - 64 VAC/DC 110A - 110 VAC 110D - 110 VDC 240A - 240 VAC 220D - 220 VDC	348

Note* : 1) In 2 position selector actuator, for operating style  replace 6th digit from K to R and for operating style  replace 6th digit from K to T.

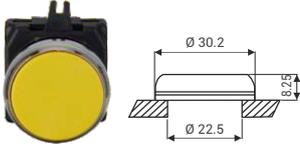
2) Assembly comes with LED holder. Please order contact block EC1C and EC2C separately.

GEN NEXT Metal Push Button & Selector Actuator [8538]

› Snap Mounting with compact contact blocks (EC1C & EC2C)

	Description	Cat. No.	Colour	M.R.P. (₹) Per Unit		
	Flush head	EM27FD00□00	R-Red G-Green C-Black Y-Yellow W-White B-Blue A-Amber	103		
		EM27FD00□00				
		EM27FD00□00				
		EM27FD00□00				
		EM27FD00□00				
		EM27FD00□00				
		EM27FD00□00				
	Symmetric Head	2 Position		307		
		Non Spring Return EM27SK00□00 ↘				
		Spring Return EM27SI00□00 ↘				
				3 Position		347
				Non Spring Return EM27SL00□00 ↘		
				Spring Return EM27SJ00□00 ↘		
				Spring Return L.H. EM27SM00□00 ↘		
Spring Return R.H. EM27SN00□00 ↘						
	Lock & Key	2 Position		422		
		Non Spring Return EM27KK00□00 ↘				
		Spring Return EM27KI00□00 ↘				
				3 Position		467
				Non Spring Return EM27KL00□00 ↘		
				Spring Return EM27KJ00□00 ↘		
				Spring Return L.H. EM27KM00□00 ↘		
Spring Return R.H. EM27KN00□00 ↘						
	Mushroom Head-Push Turn	EM27MH00□00	R-Red	234		
		EM27MH00□00	G-Green			
	Mushroom Head-Push Function	EM27MD00□00	R-Red	154		

GEN NEXT Metal Illuminated Push Button Actuator [8531]

	Description	Cat. No.	Colour (8 Digit)	Voltage (9 , 10 , 11 & 12 Digit)	M.R.P. (₹) Per Unit
	Illuminated Flush head	EM28FD0□□□□□	R-Red	012C - 12 V AC/DC	352
G-Green			024C - 24 V AC/DC		
Y-Yellow			030C - 30 V AC/DC		
A-Amber			048C - 48 V AC/DC		
W-White B-Blue			064C - 64 V AC/DC	727	
			110A - 110 V AC		
			110D - 110 V DC		
			240A - 240 V AC		
			220D - 220 V DC		

Gen Next Modular Contact Blocks [8538]

	Description	Cat. No.	Colour	Voltage	M.R.P. (₹) Per Unit
	'NO' Block	EC1C	-	-	77
	'NC' Block	EC2C	-	-	77

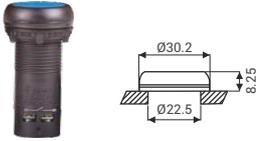
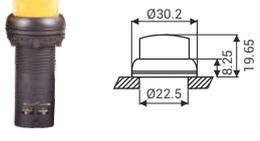
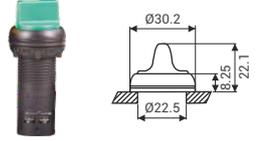
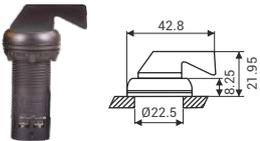
Spare for Gen Next Series [8531]

	Description	Cat. No.	Colour	Voltage	M.R.P. (₹) Per Unit
	LED Holder for Gen Next illuminated actuator series	EG08HOL□□□□□	R-Red	012C - 12 VAC/DC	208
G-Green			024C - 24 VAC/DC		
Y-Yellow			030C - 30 VAC/DC		
A-Amber			048C - 48 VAC/DC		
B-Blue W-White			064C - 64 VAC/DC	415 Blue and White	
			110A - 110 VAC		
			110D - 110 VDC		
			240A - 240 VAC		
			220D - 220 VDC		

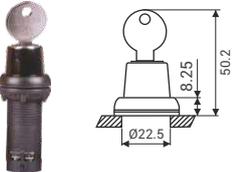
Note : Contact blocks and LED holder are same for Gen next and Gen next META series

Gen Next entegral Actuator [8536]

> With inbuilt contact arrangement > Contact rating 6A @ 240AC

	Description	Cat. No.	Contact Configuration (3 rd Digit)	Colour (4 th Digit)	M.R.P. (₹) Per Unit
	Flush Head	EE□□FD1	1 - 1 NO 2 - 1 NC 3 - 1 NO + 1 NC 4 - 2 NO 5 - 2 NC	R-Red G-Green Y-Yellow W-White B-Blue A-Amber C-Black	152 221
	Projecting Head Push Function	EE□□PD1	1 - 1 NO 2 - 1 NC 3 - 1 NO + 1 NC 4 - 2 NO 5 - 2 NC	R-Red G-Green Y-Yellow W-White B-Blue A-Amber C-Black	152 221
	Mushroom Head Push - Turn	EE□□MH1	1 - 1 NO 2 - 1 NC 3 - 1 NO + 1 NC 4 - 2 NO 5 - 2 NC	R-Red G-Green Y-Yellow C-Black	222 302
	Mushroom Head Push - Function	EE□□MD1	1 - 1 NO 2 - 1 NC 3 - 1 NO + 1 NC 4 - 2 NO 5 - 2 NC	R-Red G-Green Y-Yellow C-Black	188 256
	Symmetric Head Actuator	2 Position Non Spring Return EE□□SK1 Spring Return EE□□SI1 3 Position Non Spring Return EE□□SL1 Spring Return EE□□SJ1 Spring Return L. H. EE□□SM1 Spring Return R. H. EE□□SN1	1 - 1 NO 2 - 1 NC 3 - 1 NO + 1 NC (Left NO) 4 - 2 NO 5 - 2 NC 6 - 1 NO + 1 NC (Right NO) 3 - 1 NO + 1 NC (Left NO) 4 - 2 NO 5 - 2 NC 6 - 1 NO + 1 NC (Right NO)	R-Red G-Green W-White C-Black	305 375 386
	Lever Head	2 Position Non Spring Return EE□□LK1 Spring Return EE□□LI1 3 Position Non Spring Return EE□□LL1 Spring Return EE□□LJ1 Spring Return L. H. EE□□LM1 Spring Return R. H. EE□□LN1	1 - 1 NO 2 - 1 NC 3 - 1 NO + 1 NC (Left NO) 4 - 2 NO 5 - 2 NC 6 - 1 NO + 1 NC (Right NO) 3 - 1 NO + 1 NC (Left NO) 4 - 2 NO 5 - 2 NC 6 - 1 NO + 1 NC (Right NO)	R-Red G-Green W-White C-Black	305 375 386

Gen Next integral Actuator [8536]

	Description	Cat. No.	Contact Configuration (3 rd Digit)	Colour (4 th Digit)	M.R.P. (₹) Per Unit	
	Lock & Key Rotary Type	2 Position		1 - 1 NO 2 - 1 NC	C-Black	391
		 Non Spring Return EE□□KK1		3 - 1 NO + 1 NC (Left NO) 4 - 2 NO 5 - 2 NC 6 - 1 NO + 1 NC (Right NO)		467
		Spring Return EE□□KI1				
		3 Position		3 - 1 NO + 1 NC (Left NO) 4 - 2 NO 5 - 2 NC 6 - 1 NO + 1 NC (Right NO)		478
		 Non Spring Return EE□□KL1				
		Spring Return EE□□KJ1				
	Spring Return L. H. EE□□KM1					
 Spring Return R. H. EE□□KN1						

Note * : In 2 position selector actuator, for operating style  replace 6th digit from K to R and for operating style , replace 6th digit from K to T

Panel Mounted Buzzer Ø 22.5 mm [8531]

› IP20 protection › 80dB at 1 m distance › Low Power consumption < 0.6W

	Description	Electrical Rating	Cat. No.	M.R.P. (₹) Per Unit	
	22.5 mm Panel Mounted Buzzer Black colour			Round Type	366
		240 VAC	EG15R00C240A		
		110 VAC	EG15R00C110A		
		64 VAC/DC	EG15R00C064C		
		48 VAC/DC	EG15R00C048C		
		30 VAC/DC	EG15R00C030C		
		24 VAC/DC	EG15R00C024C		
12 VAC/DC	EG15R00C012C				

Gen Next Push Button Stations [8536]

Dimension › Single Station : 65 x 55 x 33 mm › Two Station : 100 x 55 x 53 mm
› Three Station : 134 x 55 x 53 mm › Eight Station : 305 x 55 x 53 mm

	Description	Cat. No.	M.R.P. (₹) Per Unit
	Flush Head Actuator - Red with Legend - STOP Contact - 1 'NC'	EP1FAC01	594
Flush Head Actuator - Green with Legend - START Contact - 1 'NO'	EP1FAB02		
	Two Position Symmetric Head Selector Switch - Black with Legend - OFF / ON Contact - 1 'NO'	EP1FAF08	780
	Two Position Lock & Key Rotary Switch with Legend - OFF / ON Contact - 1 'NO'	EP1FAF12	861
	Mushroom Head Actuator 'Push Function' with Legend - STOP Contact - 1 'NC' for Stop	EP1FAC03	630

Gen Next Push Button Stations [8536]

	Description	Cat. No.	M.R.P. (₹) Per Unit
	Mushroom Head Actuator 'Push Turn Type' with Legend - STOP Contact - 1 'NC' for Stop	EP1FAC05	768
	Flush Head Actuator - Green with Legend - START Contact - 1 'NO' (Station One)	EP2FAH0201	861
	Flush Head Actuator - Red with Legend - STOP Contact - 1 'NC'		
	Flush Head Actuator - Green with Legend - START Contact - 1 'NO' (Station One)	EP2FAH0205	952
	Mushroom Head Actuator 'Push Turn Type' with Legend - STOP Contact - 1 'NC' (Station Two)		
	LED Indicator 240 VAC - Red (Station One)	EP3FAUI1X0201	1160
	Flush Head Actuator - Green with Legend - START Contact - 1 'NO' (Station Two)		
	Flush Head Actuator - Red with Legend - STOP Contact - 1 'NC' (Station Three)		
	Flush Head Actuator - Green with Legend - FORWARD Contact - 1 'NO' (Station Two)	EP3FAR020102	1086
	Flush Head Actuator - Red with Legend - STOP Contact - 1 'NC' (Station Two)		
	Flush Head Actuator - Green with Legend - REVERSE Contact - 1 'NO' (Station Three)		
	Flush Head Actuator - Green with Legend - UP Contact - 1 'NO' (Station Two)	EP3FAS020102	1086
	Flush Head Actuator - Red with Legend - STOP Contact - 1 'NC' (Station Two)		
	Flush Head Actuator - Green with Legend - DOWN Contact - 1 'NO' (Station Three)		
	All 7 Flush Head Actuators with NO Contact & Mushroom Head Push Turn	EP8F02	3081
	8 Way push button pendant with hanging provision	EP8F04	3295
	Single Station Enclosure Box without Actuator	EP1FAA*	328
	Two Station Enclosure Box without Actuator	EP2FAA*	349
	Three Station Enclosure Box without Actuator	EP3FAA*	359
	Eight Station Enclosure Box without Actuator	EP8FAA*	600

- Note :**
1. All Gen next push button stations contains entegral Actuators.
 2. Only entegral actuators can be used for converting Gen next enclosure boxes into Gen Next push button station.
 3. For any other combination of actuators/indicators in push button stations please contact nearest branch office.
 4. EP8F04 is available in single speed for crane application.
- * Chapter ID : 8538.

Universal Push Button Stations (in ABS Engineering plastic body) [8536]

Dimension > Single Station : 75 x 75 x 56 mm > Two Station : 127 x 75 x 56 mm
> Three Station : 160 x 75 x 56 mm

	Description	Cat. No.	M.R.P. (₹) Per Unit
	Flush Head Actuator - Red with Laser Marking - STOP Contact - 1 'NC'	EWS1C01AC062	717
	Flush Head Actuator - Green with Laser Marking - START Contact - 1 'NO'	EWS1C01AC063	717
	Two Position Symmetric Head Selector Switch - Black with Laser Marking - OFF / ON Contact - 1 'NO'	EWS1C01AF064	947
	Illuminated Actuator - Green with Laser Marking - ON Contact - 1 'NO' - 240 VAC	EWS1C01AA070	846
	Two Position Lock & Key Rotary Switch with Laser Marking - OFF / ON Contact - 1 'NO'	EWS1C01AF065	1070
	Mushroom Head Actuator 'Push Function' with Laser Marking - STOP Contact - 1 'NC' for Stop	EWS1C13AC054	762
	Mushroom Head Actuator 'Push Turn type' with Laser Marking - STOP Contact - 1 'NC' for Stop	EWS1C13AC051	860
	"Mushroom Head Actuator with Lock and Key on Yellow Cover, with Laser Marking - STOP, Contact - 1 'NC' for Emergency Stop"	EWS1C13AC066	1046
	Push Button Station with Push Pull Emergency Switch, Red with 1 NC	EWS1C13AC069	929
	Flush Head Actuator - Green with Laser Marking - START Contact - 1 'NO' (Station One) Flush Head Actuator - Red with Laser Marking - STOP Contact - 1 'NC' (Station Two)"	EWS2C01AH045	1035
	Flush Head Actuator - Green with Laser Marking - START Contact - 1 'NO' (Station One) Mushroom Head Actuator 'Push Turn Type' with Laser Marking - TOP Contact - 1 'NC'"	EWS2C01AH067	1147
	Flush Head Actuator - Green with Laser Marking - START Contact - 1 'NO' (Station One) Mushroom Head Actuator 'Lock & Key Type' with Laser Marking - STOP Contact - 1 'NC'"	EWS2C01AH068	1354
	Pilot Light 240 VAC White (Station One) Flush Head Actuator - Green with Laser Marking - START Contact - 1 'NO' (Station Two) Flush Head Actuator - Red with Laser Marking - STOP Contact - 1 'NC' (Station Three)"	EWS3C01AH048	1401
	Flush Head Actuator - Green with Laser Marking - FORWARD Contact - 1 'NO' (Station One) Flush Head Actuator - Red with Laser Marking - STOP Contact - 1 'NC' (Station Two) Flush Head Actuator - Green with Laser Marking - REVERSE Contact - 1 'NO' (Station Three)"	EWS3C01BJ055	1314
	Flush Head Actuator - Green with Laser Marking - UP Contact - 1 'NO' (Station One) Flush Head Actuator - Red with Laser Marking - STOP Contact - 1 'NC' (Station Two) Flush Head Actuator - Green with Laser Marking - DOWN Contact - 1 'NO' (Station Three)"	EWS3C01AS055	1314

Universal Push Button Stations (in ABS Engineering plastic body) [8538]

Push Buttons Station Enclosure

- Dimension
- › Single Station : 75 x 75 x 56 mm
 - › Two Station : 127 x 75 x 56 mm
 - › Three Station : 160 x 75 x 56 mm
 - › Four Station : 215 x 75 x 70 mm
 - › Five Station : 270 x 75 x 71 mm

	Description	Cat. No.	M.R.P. (₹) Per Unit
	Enclosure Grey-Black single hole	EWS1C01AA	418
Enclosure Grey-Black & 2 hole of Ø 22.5	EWS2C01AA	541	
Enclosure Grey-Black & 3 holes of Ø 22.5	EWS3C01AA	663	
Enclosure Grey-Black & 4 holes of Ø 22.5	EWS4C01AA	930	
Enclosure Grey-Black & 5 holes of Ø 22.5	EWS5C01AA	1074	
	Enclosure Yellow-Black single hole	EWS1C13AA	418
	Enclosure Yellow-Black & 2 hole of Ø 22.5	EWS2C13AA	541
	Enclosure Yellow-Black & 3 holes of Ø 22.5	EWS3C13AA	663
	Enclosure Yellow-Black & 4 holes of Ø 22.5	EWS4C13AA	930
	Enclosure Yellow-Black & 5 holes of Ø 22.5	EWS5C13AA	1074

All Purpose Enclosures [8538]

Dimension: 110 x 80 x 65 mm

 Note : with plastic screws	Description	Cat. No.	M.R.P. (₹) Per Unit
	All Grey without hole	HF999000	414
	All Grey & 1 hole of Ø 22.5	HF999001	
All Grey & 2 holes of Ø 22.5	HF999002		

Note : Gen Next Series actuator and contact blocks can be used to convert all purpose enclosure box into push button stations.

Accessories and Spares [8538]

 Small Large Square	Description	Cat. No.	M.R.P. (₹) Per Unit
	Small	HH2420122	29
	Large	HH2420124	
	Square	HH2420123	

Note : Printing as per customer requirement

	Cat. No.	M.R.P. (₹) Per Unit
	HH192000	95

Plastic Plate		Cat. No.	M.R.P. (₹) Per Unit
	Yellow legend plate	HB135000	80
	Padlock Yellow (for Mushroom head Actuator)	HF192024	199
	Padlock Transparent (for Flush head Actuator)	HF192025	180
	Protecting Shroud for Emergency Push Button	HF195020A	92
	Protecting Shroud	HF195004	80

Shroud (Boot) for Actuator  (For IP67 protection of actuators)	Colour	Gen Next Actuator	
		Cat. No.	M.R.P. (₹) Per Unit
	White	HB17101	37
	Red	HB17301	
	Green	HB17401	
	Black	NA	
	Yellow	HB17501	
	Blue	HB17701	
	Amber	HB17801	
	Colourless	HB190003	45

Spare Lens Cap 	Colour	Cat. No.		M.R.P. (₹) Per Unit
		Non Illuminated	Illuminated	
	Red	HB103002	HB103103	28
	Green	HB104000	HB104101	
	Black	HB102006	NA	
	Yellow	HB105008	HB105109	
	White/Opal	HB101004	HB101105	
	Blue	HB107010	HB107111	
	Orange	HB108012	HB108113	
	Colourless	NA	HB100107	

Note : It can be used for Gen Next.

Collar (For Flush/ Projecting Head) 	Cat. No.	Colour	M.R.P. (₹) Per Unit
	HB196000	Chrome Plated 'ABS'	24
	HB192000	Black	24
Adaptor Ring * (For 30 to 22 mm in Panel Cutout conversion) 	HH180000	Gray	34
	HH182004	Black	
	HH196006	Chrome Plated 'ABS'	
Blanking Plugs 	HH180002	Gray	66
	HH182009	Black	
	HH196010	Chrome Plated 'ABS'	
Center Indication Strip (For Twin Touch Actuator) 	HB102058	Black	66
	HB105163	Yellow	
	HB108169	Orange	
	HB100161	Colourless	

* It can be used to convert Gen Next actuator series to TK3 Ø30 mm mounting.

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