

**Energy  
distribution,  
Controls &  
Wiring  
accessories.**

**Pricelist** with effect from

**01<sup>st</sup> March 2024**

**:hager**



**The reliable  
partner for  
intelligent  
solutions.**

# Our vision

Hager Group's vision is to make life on our planet safer, cleaner and more enjoyable through ingenious, sustainable and reliable electrical infrastructure solutions, for all kinds of buildings.

## Our world today and tomorrow

We're constantly reimagining electricity in order to meet the world's rising energy demands with better performing and less consuming products and solutions. We're also moving at pace with technology as electricity usage becomes 'smarter' in homes and buildings and yet one thing endures in all this fast-moving change, we will always produce and supply for you safe and simple solutions and products. It's what we have been doing for over 65 years.

## Big enough to matter, small enough to care

As a global player, we play in every domain of the electrical infrastructure world; energy distribution, energy management, e-mobility, cable management, wiring accessories, connected and automated homes. We have you covered and our products and solutions are almost always customisable should you desire. We've built a reputation for high quality, scalable and dependable European-made products that are tested, trusted and ready for all types of buildings large and small, so you and your customers can rest assured your installations will endure over the long term.

## Generational approach

As a family-owned business that prides itself on being easy to work with, finding solutions in the spirit of collaboration, cooperation and co-creation is how we enjoy working on a daily basis, it's how we feel business is done best and how end results are best achieved together.

Because we're driven by an entrepreneurial flair in a world where people like you matter to us, so much so that we'll be by your side right through your projects and beyond. No matter what, Hager will go the extra mile for you to meet your requirements.

## Looking ahead

We are investing on a large scale to ensure you will always get the best from us with huge investments in production capacity and at distribution sites but also developing new and exciting products in our new research and development centres to meet the joint challenges of energy consumption and the environment. As much as the world changes we'll never change our approach to you, our customers, we'll always be with our customary support and learning platforms continuously available for you, with you.

# hagergroup

Hager Group is a leading provider of solutions and services for electrical installations in residential, commercial and industrial buildings with 12,900 employees generating € 2.8 Bn in sales (2022). Components and solutions are produced at 20 locations around the globe and are distributed to customers in more than 100 countries.

## Members of Hager Group

**:hager**

**B.**  
Berker

**ELCOM.**

ENERGY STORAGE  
**E3A DC**

**B BOCCHIOTTI**

**B IBOCO**

# On our journey to a sustainable future

At Hager Group, we shape the electric world of tomorrow, a world in which long-term success goes hand in hand with sustainability.

For us, sustainability encompasses Ethics, Employees and the Environment. We call our approach E3. This embraces an ethical approach to business, an inclusive and healthy work environment and reliable products and ingenious solutions which are future-proof. With a strong focus on the environment, we're on the way to making our company a low-carbon operation. We want to take our employees, partners and customers with us on this journey. Let's make better choices together. For our planet and for all generations.

## Ethics

We put a strong emphasis on a responsible approach towards business. This approach considers our own employees as well as every person involved in our value chain: from suppliers and their employees, to partners and customers. As we produce electrical equipment and solutions, consumer safety is one of our main concerns, as well as business and data integrity. We are committed to complying with all national and international industry standards and in many instances go above and beyond what is required. Since 2007, we are signatories of the United Nations' Global Compact.



# Employees



Recruiting and retaining talent is one of the great challenges of businesses today. For us, a sustainable business is only possible if we can attract the right people who feel welcome and able to fulfil their potential at Hager Group. We see our company as a cross-generational endeavour, much like a family. With life-long learning opportunities and opportunities to build a meaningful career we're offering our employees the ideal basis from which to fully engage in a long-term and fruitful mutual relationship with our company. It goes without saying that diversity and inclusion and equal opportunities are part and parcel of our recruitment policies.

# Environment

We are committed to reducing waste and emissions considerably by investing in an environmentally friendly design, the longevity and quality of our products and more sustainable solutions in production and distribution. We perform full life cycle analysis of all our products in the form of a Product Environmental Profile (PEP). At production level,

we are continuously looking for ways to reduce our resources consumption. Currently, 18 of our production facility locations and 4 of our distribution centres are certified to the international environmental management standard ISO 14001, which defines globally recognised requirements for environmental management.



Sustainability certifications for Hager Group:



Member of:



United Nations Global Compact

# When design meets users

Good design contributes to better value for money.

At Hager Group, we take into account the past, the present and the future. But most of all we take into account our customer.

You.



Erwin van Handenhoven,  
Hager Group Design Studio  
Director

Over time we built up that strong Hager Identity we cherish so much. A community with a feeling of belonging together. A friendly and trustworthy environment where we know that we can count on each other. We endlessly try to improve our offer with deep understanding and respect for our customer. We carefully listen to your messages in order to catch your wishes and, by design, exceed your expectations.

Considering you, our customer, as the centre of our concern and as the starting point of all our projects led us to a new and important initiative: the creation of the Hager Offer Testing Centre. We want you to have the absolutely best customer experience and we wish you to be proud of our brand. So we need your active involvement in our design process. Together we will constantly improve and adapt our offer. Together we shall tackle all future evolutions.

Some of you may see the changes in our business as growing complexity, others might experience it as constant enrichment.

Whatever our feelings may be, it is a fact that today we are merging mechanical, electronic and digital technologies into one coherent electrical infrastructure system. This is why design does not only focusses on best in class Physical devices but also on a clever and useful Digital offer and, most of all, the efficient interplay between both.

Product designers and digital designers are sitting together, thinking together and breathing together. We aim to deploy more and higher level functionalities but reduce complexity for the user, be it a professional or an end-user.

In the light of this ever-growing complexity, we strongly believe in our unique and exciting Hager brand promise: **Safe + Simple**. This is what you should expect from us: well thought-over devices and systems that make life safer and simpler. It is about being safe and feeling safe. It is about making the job easier and comprehensive.

This is the world we are building up for you and with you. This is, we believe, what makes a high quality brand.



**“Safe + Simple. (...) It is about being safe and feeling safe. It is about making the job easier and comprehensive. This is the world we are building up for you and with you.”**

Finally we wish **‘safe + simple’** to be significant also for our planet. Caring and securing future generations, Sustainability in general, is a serious subject with highest priority on our list. It goes hand in hand with our brand promise and we will not compromise on this. New visions, leading to a specific eco-design ‘made by hager’, are now embedded in our design process.

We are pleased and honoured to design in this thrilling world of electricity that has such a promising future. We kindly thank you for your confidence.



Since its beginning, the Design Studio has been regularly awarded by major international design institutions.



# Let's accelerate our energy transition towards more renewables, electric mobility and energy management.



**Sabine Busse**  
Hager Group CEO

## Dear customers, partners and friends of Hager Group

We are living through a time of change. The new geopolitical and market environment makes us realise even more how precious our resources are and how important energy is to our way of life.

The recent developments call upon us to further accelerate our energy transition. More renewables, more electric mobility, more energy management. More than ever, we understand what "the future will be electric" really means. This necessary change is a possibility for our industry as a whole.

Energy scarcity makes us appreciate energy efficiency and management in a new way. Our industry plays an essential part in providing the products and solutions to master these challenges. We sit at the heart of shaping the electrical world of tomorrow, a world in which long-term success goes hand in hand with sustainable practices. The current challenges make us all the more determined to ignite this change ourselves - together with our partners and customers.

There is a special strength in pulling together, in finding common ground, in talking to each other and understanding what the other party needs most and how we can support each other. Together, we form a strong network, able to master the challenges ahead of us now and in the future. Of this I am convinced.

I remain optimistic. The challenges are immense. But I don't know of any other industry for which this era of change is such a great opportunity. We have it in our hands to prove ourselves and to build a great future for our industry.

Yours sincerely,  
Sabine Busse

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## 01 Distribution boards

novello<sup>+</sup> range / Metal plug & socket outlet accessory / golf / vector /  
Busbars and terminals



12-23

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## 02 Protection and switching devices

hw ACBs / h3+ MCCBs / h3 MCCBs / Power Contactors / Relays /  
MPCB / Manual Changeover switches / Automatic transfer switches / ACCL /  
h3 MCBs / RCCBs / RCBOs / Accessories / HRC Fuses and Fuse carriers /  
Surge protection devices / Isolating switches / Changeover switches



24-56

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## 03 Energy and lighting control

Indicator lights / Pushbuttons / Modular contactors / Latching relays /  
Time switches / Twilight switches / Movement & presence detectors /  
Dimmers / Time lag switch



58-63

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## 04 insysta™ Wiring Accessories

Switches / Push button / Sockets / Regulators & dimmers / Data sockets /  
VDI module & accessories / USB socket / DND / MMR / Hotel card unit /  
Shaver socket / Skirting light / Buzzer / Volume controller /  
Cover & grid plates - Plastic / Cover plates - Real material /  
Grid plates - Real material / Wall Boxes



64-69

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From inception to completion, customized or simple your modern building designs gets delivered with Hager distribution boards. [#bringinglifetobuildings](#)

## Distribution Board

# novello+

## tried and tested



Type-tested performance to IEC-61439-1 IS 8623-III



Unique ease of mounting with minimal screws



Trusted rigidity and extra durability (IP43, IK09)



Tried flexibility thanks to modular design



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|  |    |
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| novello <sup>+</sup> SPN                             | 14 |
| novello <sup>+</sup> TPN                             | 15 |
| novello <sup>+</sup> TPN horizontal PPI              | 16 |
| novello <sup>+</sup> TPN tier PPI                    | 16 |
| novello <sup>+</sup> vertical TPN modular incomer    | 17 |
| novello <sup>+</sup> vertical TPN MCCB incomer       | 18 |
| novello <sup>+</sup> TPN phase segregated            | 19 |
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| Accessories for novello <sup>+</sup>                 | 21 |
| golf enclosures                                      | 22 |
| vector enclosures                                    | 23 |
| Busbars  | 23 |

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VYS12C

## SPN distribution boards

### Characteristics:

- Single Door: IP30
- Double Door: IP43 & IP54
- Plain & Acrylic doors
- As per IS 8623 - III
- Impact resistance IK09

- Accessories:
- Wires sets
- Insulated busbars
- Insulated IP2X neutral bars & earth bar
- Blanking plates
- Cable management kit
- Circuit identification labels as standard

### IP30 Single Door DBs

| Description        | Pack Qty. | Cat. Ref.       | Unit MRP (₹) |
|--------------------|-----------|-----------------|--------------|
| 6 way, 6 modules   | 1         | ▶ <b>VYS06C</b> | 1714         |
| 8 way, 8 modules   | 1         | ▶ <b>VYS08C</b> | 2161         |
| 12 way, 12 modules | 1         | ▶ <b>VYS12C</b> | 2557         |
| 16 way, 16 modules | 1         | ▶ <b>VYS16C</b> | 3153         |
| 18 way, 18 modules | 1         | ▶ <b>VYS18C</b> | 3615         |



VYS12D

### IP43 Double Door DBs

| Description        | Pack Qty. | Cat. Ref.<br>plain door | Unit MRP (₹) |
|--------------------|-----------|-------------------------|--------------|
| 4 way, 4 modules   | 1         | ▶ <b>VYS04D</b>         | 2342         |
| 6 way, 6 modules   | 1         | ▶ <b>VYS06D</b>         | 2630         |
| 8 way, 8 modules   | 1         | ▶ <b>VYS08D</b>         | 2911         |
| 12 way, 12 modules | 1         | ▶ <b>VYS12D</b>         | 3495         |
| 16 way, 16 modules | 1         | ▶ <b>VYS16D</b>         | 4442         |
| 18 way, 18 modules | 1         | ▶ <b>VYS18D</b>         | 4873         |

- IP54 DB's available upon request
- Glazed door DB's available upon request
- Pre-wired and TV telephone DBs available on request.
- For price and technical information, please contact your nearest Hager sales office.



VYT06CH

**TPN distribution boards**

**Characteristics:**

- Single Door: IP30
- Double Door: IP43 & IP54
- Plain & Acrylic doors
- As per IS 8623 - III
- Impact resistance IK09
- 8 module Incomer & SP MCBs as O/G

**Accessories:**

- Wires sets
- Insulated busbars
- Insulated IP2X neutral bars & earth bar
- Blanking plates
- Cable management kit
- Circuit identification labels as standard

**IP30 Single Door DBs**  
(Incomer + Outgoing Modules)

| Description          | Pack Qty. | Cat. Ref.      | Unit MRP (₹) |
|----------------------|-----------|----------------|--------------|
| 4 way, 4+12 modules  | 1         | <b>VYT04CD</b> | 4421         |
| 6 way, 4+18 modules  | 1         | <b>VYT06CD</b> | 5363         |
| 4 way, 8+12 modules  | 1         | <b>VYT04CH</b> | 4845         |
| 6 way, 8+18 modules  | 1         | <b>VYT06CH</b> | 5970         |
| 8 way, 8+24 modules  | 1         | <b>VYT08CH</b> | 7017         |
| 12 way, 8+36 modules | 1         | <b>VYT12CH</b> | 10407        |



VYT06DH

**IP43 Double Door DBs**  
(Incomer + Outgoing Modules)

| Description          | Pack Qty. | Cat. Ref.<br>metal door | Unit MRP (₹) |
|----------------------|-----------|-------------------------|--------------|
| 4 way, 4+12 modules  | 1         | ▶ <b>VYT04DD</b>        | 5529         |
| 6 way, 4+18 modules  | 1         | ▶ <b>VYT06DD</b>        | 6642         |
| 4 way, 8+12 modules  | 1         | ▶ <b>VYT04DH</b>        | 5760         |
| 6 way, 8+18 modules  | 1         | ▶ <b>VYT06DH</b>        | 7100         |
| 8 way, 8+24 modules  | 1         | ▶ <b>VYT08DH</b>        | 8522         |
| 12 way, 8+36 modules | 1         | ▶ <b>VYT12DH</b>        | 12749        |
| 16 way, 8+48 modules | 1         | <b>VYT16DH</b>          | 15808        |

## Novello+ Distribution Boards



**Advantages for you:**

- Professional alignment with spirit level
- Reusable & flexible cable management
- Better protection with unique door packaging
- Upgrade to lockable enclosures possible
- Standard Accessories:
  - Wires sets
  - Insulated bus bars
  - Insulated neutral bars & earth bar
  - blanking plates, Cable management system
  - Circuit identification labels

- IP54 DB's available upon request
- Glazed door DB's available upon request
- Pre-wired and TV telephone DBs available on request.
- For price and technical information, please contact your nearest Hager sales office.



VYH04DH

**TPN horizontal PPI distribution boards**

**Characteristics:**

- Double Door: IP43 & IP54
- Plain & Acrylic doors
- As per IS 8623 - III
- Impact resistance IK09
- 8 module incomers, 2 module subincomer & SP MCBs as O/G

- Accessories:
- Wires sets
- Insulated busbars
- Insulated IP2X neutral bars & earth bar
- Blanking plates
- Cable management kit
- Circuit identification labels as standard

**IP43 Double Door DBs**  
(Incomer+ Sub Incomer + Outgoing Modules)

| Description              | Pack Qty. | Cat. Ref.<br>plain door | Unit MRP (₹) |
|--------------------------|-----------|-------------------------|--------------|
| 4+2 way, 8+6+12 modules  | 1         | ▶ VYH04DH               | 10876        |
| 6+2 way, 8+6+18 modules  | 1         | ▶ VYH06DH               | 12815        |
| 8+2 way, 8+6+24 modules  | 1         | ▶ VYH08DH               | 17672        |
| 12+2 way, 8+6+36 modules | 1         | ▶ VYH12DH               | 21211        |

**TPN tier PPI distribution board**

**Characteristics:**

- Double Door: IP43 & IP54
- Plain & Acrylic doors
- As per IS 8623 - III
- Impact resistance IK09
- 8 module incomers, 2 module subincomer & SP MCBs as O/G

- Accessories:
- Wires sets
- Insulated busbars
- Insulated IP2X neutral bars & earth bar
- Blanking plates
- Cable management kit
- Circuit identification labels as standard

**IP43 Double Door DBs**  
(Incomer+ Sub Incomer + Outgoing Modules)

| Description                     | Pack Qty. | Cat. Ref.<br>plain door | Unit MRP (₹) |
|---------------------------------|-----------|-------------------------|--------------|
| 6+2 way, 8+6+18 modules         | 1         | ▶ VYP06DH               | 12777        |
| 8+2 way, 8+6+24 modules         | 1         | ▶ VYP08DH               | 15070        |
| 10+2 way, 8+6+30 modules        | 1         | ▶ VYP10DH               | 15632        |
| 12+2 way, 8+6+36 modules        | 1         | ▶ VYP12DH               | 16945        |
| 16+2 way, 8+6+48 modules        | 1         | ▶ VYP16DH               | 17887        |
| 12+2 way, MCCB*+ 6 + 36 modules | 1         | ▶ VYP12DM               | 17132        |

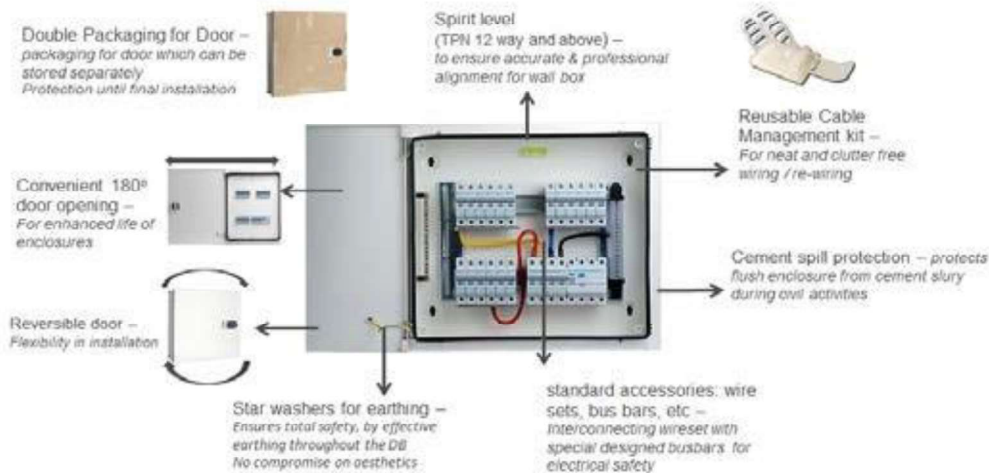


VYP10DH

- \*Provision to mount frame X160 h3 MCCB
- For P160 h3+ MCCB mounting, please contact your nearest Hager sales office.

- Acrylic door and IP54 DB's, available upon request.
- For price and technical information, please contact your nearest Hager sales office.

**Novello+ Distribution Boards**







VYV04DL-P

**vertical TPN distribution boards (modular incomer)**

**Characteristics:**

- Single Door: IP30
- Double Door: IP43 & IP54
- Plain & Acrylic doors
- As per IS 8623 - III
- Impact resistance IK09
- 12 module incomers, SP/TP MCB's outgoing

- Accessories:
- Interconnection labels
- Blanking plates
- Cable management kit

**IP43 Double Door DBs**  
(Incomer + Outgoing Modules)

| Description           | Pack Qty. | Cat. Ref.   | Unit MRP (₹) |
|-----------------------|-----------|-------------|--------------|
| 4 way, 12+12 modules  | 1         | ▶ VYV04DL-P | 14304        |
| 6 way, 12+18 modules  | 1         | ▶ VYV06DL-P | 15986        |
| 8 way, 12+24 modules  | 1         | ▶ VYV08DL-P | 17556        |
| 12 way, 12+36 modules | 1         | ▶ VYV12DL-P | 24711        |
| 16 way, 12+48 modules | 1         | VYV16DL-P   | 30543        |

**Metering Box**

| Description            | Pack Qty. | Cat. Ref. | Unit MRP (₹) |
|------------------------|-----------|-----------|--------------|
| Ext Box for VTPN DD DB | 1         | VYV00M    | 8222         |

- Acrylic door and IP54 DB's, available upon request.
- For price and technical information, please contact your nearest Hager sales office.





VYV06DM-P

**vertical TPN distribution boards (x160 h3 MCCB incomer)**

**Characteristics:**

- Double Door: IP43
- As per IS 8623 - III
- Impact resistance IK09
- X160 frame h3 MCCB incomer & SP/TP MCBs as outgoing
- Accessories:
  - 160A rated busbar
  - Blanking plates
  - Cable management kit
  - Identification labels as standard

**IP43 Double Door DBs  
(MCCB + Outgoing Modules)**

| Description             | Pack Qty. | Cat. Ref.   | Unit MRP (₹) |
|-------------------------|-----------|-------------|--------------|
| 4 way, MCCB+12 modules  | 1         | ▶ VYV04DM-P | 17711        |
| 6 way, MCCB+18 modules  | 1         | ▶ VYV06DM-P | 20119        |
| 8 way, MCCB+24 modules  | 1         | ▶ VYV08DM-P | 22148        |
| 12 way, MCCB+36 modules | 1         | ▶ VYV12DM-P | 29617        |
| 16 way, MCCB+48 modules | 1         | VYV16DM-P   | 35156        |



VYV06DM-P160

**vertical TPN distribution boards (P160 h3+ MCCB incomer)**

**Characteristics:**

- Double Door: IP43
- As per IS 8623 - III
- Impact resistance IK09
- P160 frame h3 MCCB incomer & SP/TP MCBs as outgoing
- Accessories:
  - 160A rated busbar
  - Blanking plates
  - Cable management kit
  - Identification labels as standard

**IP43 Double Door DBs  
(MCCB + Outgoing Modules)**

| Description             | Pack Qty. | Cat. Ref.    | Unit MRP (₹) |
|-------------------------|-----------|--------------|--------------|
| 4 way, MCCB+12 modules  | 1         | VYV04DM-P160 | 17711        |
| 6 way, MCCB+18 modules  | 1         | VYV06DM-P160 | 20119        |
| 8 way, MCCB+24 modules  | 1         | VYV08DM-P160 | 22148        |
| 12 way, MCCB+36 modules | 1         | VYV12DM-P160 | 29617        |
| 16 way, MCCB+48 modules | 1         | VYV16DM-P160 | 35156        |



VYV06DM2-P

**vertical TPN distribution boards (x250 h3 / P250 h3+ MCCB incomer)**

**Characteristics:**

- Double Door: IP43
- As per IS 8623 - III
- Impact resistance IK09
- x250 h3 / P250 h3+ frame h3 MCCB incomer & SP/TP MCBs as outgoing
- Accessories:
  - 250A rated busbar
  - Blanking plates
  - Cable management kit
  - Identification labels as standard

**IP43 Double Door DBs  
(MCCB + Outgoing Modules)**

| Description             | Pack Qty. | Cat. Ref.  | Unit MRP (₹) |
|-------------------------|-----------|------------|--------------|
| 4 way, MCCB+12 modules  | 1         | VYV04DM2-P | 32863        |
| 6 way, MCCB+18 modules  | 1         | VYV06DM2-P | 35835        |
| 8 way, MCCB+24 modules  | 1         | VYV08DM2-P | 38331        |
| 12 way, MCCB+36 modules | 1         | VYV12DM2-P | 40514        |
| 16 way, MCCB+48 modules | 1         | VYV16DM2-P | 45624        |



VYG08DL

**TPN phase segregated distribution boards**

**Characteristics:**

- Single Door: IP30
- Double Door: IP43
- As per IS 8623 - III
- Impact resistance IK09
- Provision for mounting upto 12 module incomer, 4 module sub-incomer in each phase & SP
- MCBs as outgoing

- Accessories:
- Insulated busbar
- Wire sets
- Insulated IP2X neutral bars & earth bar
- Blanking plates
- Cable management kit
- Identification labels as standard

**IP43 Double Door DBs**  
(Incomer+ Sub Incomer + Outgoing Modules)

| Description              | Pack Qty. | Cat. Ref. modular incomer | Unit MRP (₹) | Cat. Ref. MCCB incomer* | Unit MRP (₹) |
|--------------------------|-----------|---------------------------|--------------|-------------------------|--------------|
| 4 way, 12+12+12 modules  | 1         | ▶ <b>VYG04DL</b>          | 14442        | <b>VYG04DM</b>          | 20621        |
| 6 way, 12+12+18 modules  | 1         | ▶ <b>VYG06DL</b>          | 16266        | <b>VYG06DM</b>          | 23569        |
| 8 way, 12+12+24 modules  | 1         | ▶ <b>VYG08DL</b>          | 18152        | <b>VYG08DM</b>          | 26993        |
| 12 way, 12+12+36 modules | 1         | ▶ <b>VYG12DL</b>          | 22578        | <b>VYG12DM</b>          | 30779        |

- \*Provision to mount X160 frame H3 MCCB



VYC06DH

**TPN phase selector distribution boards**

**Characteristics:**

- Single Door: IP30
- Double Door: IP43
- As per IS 8623 - III
- Impact resistance IK09
- 63A rotary switches

- Accessories:
- Wire sets
- Insulated busbars, neutral bars & earth bars
- blanking plates
- Cable management kit
- Identification labels as standard

**IP43 Double Door DBs**  
(Incomer+ Outgoing Modules)

| Description          | Pack Qty. | Cat. Ref.        | Unit MRP (₹) |
|----------------------|-----------|------------------|--------------|
| 4 way, 8+12 modules  | 1         | ▶ <b>VYC04DH</b> | 19689        |
| 6 way, 8+18 modules  | 1         | ▶ <b>VYC06DH</b> | 19997        |
| 8 way, 8+24 modules  | 1         | ▶ <b>VYC08DH</b> | 21431        |
| 12 way, 8+36 modules | 1         | ▶ <b>VYC12DH</b> | 24121        |



VYF414D

**flexi distribution boards**

**Characteristics:**

- Double Door: IP43 & IP54
- Plain & Acrylic doors
- As per IS 8623 - III
- Impact resistance IK09
- Flexibility to mount incomer & outgoing as per need

- Accessories:
- Blanking plates
- Insulated IP2X neutral bars & earth bar
- Circuit identification labels as standard

**IP43 Double Door DBs**  
(Total Modules)

| Description       | Pack Qty. | Cat. Ref.        | Unit MRP (₹) |
|-------------------|-----------|------------------|--------------|
| 2 row, 28 modules | 1         | ▶ <b>VYF214D</b> | 7943         |
| 3 row, 42 modules | 1         | ▶ <b>VYF314D</b> | 9536         |
| 4 row, 40 modules | 1         | ▶ <b>VYF410D</b> | 9664         |
| 4 row, 56 modules | 1         | ▶ <b>VYF414D</b> | 10391        |
| 4 row, 64 modules | 1         | ▶ <b>VYF416D</b> | 12248        |

- Acrylic door and IP54 DB's, available upon request.
- For price and technical information, please contact your nearest Hager sales office.



VYM04C

**one way enclosures**

**Characteristics:**

- IP30 degree of protection

| Description  | Pack Qty. | Cat. Ref.              | Unit MRP (₹) |
|--|-----------|------------------------|--------------|
| 2 way, 2 modules                                     | 1         | ▶ <b>VYM02C</b>        | 959          |
| 4 way, 4 modules                                     | 1         | ▶ <b>VYM04C</b>        | 959          |
| 6 way, 6 modules                                     | 1         | ▶ <b>VYM06C</b>        | 1615         |
| 8 way, 8 modules                                     | 1         | ▶ <b>VYM08C</b>        | 1615         |
| metal enclosure hinged door, 3 pole, x160 frame MCCB | 1         | ▶ <b>VYM160HM</b>      | 3574         |
| metal enclosure hinged door, 4 pole, x160 frame MCCB | 1         | ▶ <b>VYM161HM</b>      | 3574         |
| metal enclosure hinged door, 3 pole, x250 frame MCCB | 1         | ▶ <b>VYM250HM</b>      | 9329         |
| metal enclosure hinged door, 4 pole, x250 frame MCCB | 1         | ▶ <b>VYM251HM</b>      | 9329         |
| 160A 3P MCCB h3+ Enclosure                           | 1         | <b>VYM160HM-P160</b>   | 3776         |
| 160A 4P MCCB h3+ Enclosure                           | 1         | ▶ <b>VYM161HM-P160</b> | 3776         |
| 250A 3P MCCB h3+ Enclosure                           | 1         | <b>VYM250HM-P250</b>   | 9857         |
| 250A 4P MCCB h3+ Enclosure                           | 1         | <b>VYM251HM-P250</b>   | 9857         |
| 630A 3P MCCB h3+ Enclosure                           | 1         | <b>VYM630HM-P630</b>   | 10659        |
| 630A 4P MCCB h3+ Enclosure                           | 1         | <b>VYM631HM-P630</b>   | 10659        |



VYA220C

**plug & socket outlets - metal**

**Characteristics:**

- Supplied with metal plug & socket  
- Provision to mount MCBs

- Metal plug & socket: IP30

| Description                | Pack Qty. | Cat. Ref.        | Unit MRP (₹) |
|----------------------------|-----------|------------------|--------------|
| 10A 2 Pin + SC*, 1 modules | 1         | ▶ <b>VYA110C</b> | 2112         |
| 20A 2 Pin + SC*, 1 modules | 1         | ▶ <b>VYA120C</b> | 2264         |
| 20A 2 Pin + SC*, 2 modules | 1         | ▶ <b>VYA220C</b> | 2470         |
| 20A 3 Pin + SC*, 4 modules | 1         | ▶ <b>VYA420C</b> | 3686         |
| 32A 3 Pin + SC*, 4 modules | 1         | ▶ <b>VYA432C</b> | 4972         |
| 63A 5 Pin + SC*, 8 modules | 1         | ▶ <b>VYA863C</b> | 17198        |

\* SC - Scraping Earth



VYB432C

**plug & socket outlets - plastic**

**Characteristics:**

- Plastic plug & socket: IP54  
- Provision to mount MCBs

- Accessories:  
- Plastic plug & socket

| Description          | Pack Qty. | Cat. Ref.        | Unit MRP (₹) |
|----------------------|-----------|------------------|--------------|
| 16A 3 Pin, 4 modules | 1         | ▶ <b>VYB416C</b> | 3530         |
| 32A 3 Pin, 4 modules | 1         | ▶ <b>VYB432C</b> | 3815         |
| 32A 5 Pin, 8 modules | 1         | ▶ <b>VYB832C</b> | 6944         |
| 63A 5 Pin, 8 modules | 1         | ▶ <b>VYB863C</b> | 17476        |



VZ130I & VZ140I

### plug & socket outlets

#### Characteristics:

- Metal plug & socket: IP44

| Description         | Pack Qty. | Cat. Ref.       | Unit MRP (₹) | Description           | Cat. Ref.       | Unit MRP (₹) |
|---------------------|-----------|-----------------|--------------|-----------------------|-----------------|--------------|
| 10A 2P+E Metal Plug | 10        | <b>VZ130I</b>   | 301          | 10A 2P+E Metal Socket | <b>VZ140I</b>   | 307          |
| 20A 2P+E Metal Plug | 10        | ▶ <b>VZ131I</b> | 314          | 20A 2P+E Metal Socket | ▶ <b>VZ141I</b> | 343          |
| 20A 3P+E Metal Plug | 10        | ▶ <b>VZ132I</b> | 427          | 20A 3P+E Metal Socket | ▶ <b>VZ142I</b> | 464          |
| 32A 3P+E Metal Plug | 5         | ▶ <b>VZ133I</b> | 754          | 32A 3P+E Metal Socket | ▶ <b>VZ143I</b> | 754          |
| 63A 5P Metal Plug   | 1         | <b>VZ134I</b>   | 3441         | 63A 5P Metal Socket   | <b>VZ144I</b>   | 3654         |

### cable end box for novello<sup>+</sup> DBs

#### Characteristics:

- Matt finish
- Powder coated with RAL 9010
- Cable end box suitable for double door DBs.
- Facilitates wiring & wire dressing
- Mounted on top of double door DBs

#### Description



VYT08E

| CEB for SPN DBs          | Pack Qty. | Cat. Ref.     | Unit MRP (₹) |
|--------------------------|-----------|---------------|--------------|
| CEB for 4 way SPN DD DB  | 1         | <b>VYS04E</b> | 1037         |
| CEB for 6 way SPN DD DB  | 1         | <b>VYS06E</b> | 1094         |
| CEB for 8 way SPN DD DB  | 1         | <b>VYS08E</b> | 1216         |
| CEB for 12 way SPN DD DB | 1         | <b>VYS12E</b> | 1379         |
| CEB for 16 way SPN DD DB | 1         | <b>VYS16E</b> | 1947         |
| CEB for 18 way SPN DD DB | 1         | <b>VYS18E</b> | 2022         |

#### CEB for TPN DB (for 8mod incomer)

|                          |   |                 |      |
|--------------------------|---|-----------------|------|
| CEB for 4 way TPN DD DB  | 1 | <b>VYT04E</b>   | 1779 |
| CEB for 6 way TPN DD DB  | 1 | ▶ <b>VYT06E</b> | 1929 |
| CEB for 8 way TPN DD DB  | 1 | <b>VYT08E</b>   | 3390 |
| CEB for 12 way TPN DD DB | 1 | <b>VYT12E</b>   | 4531 |
| CEB for 16 way TPN DD DB | 1 | <b>VYT16E</b>   | 4531 |

#### CEB for TPN Horizontal PPI DB

|   |   |               |      |
|---|---|---------------|------|
| CEB for 2 + 4 way Horizontal PPI DD DB  | 1 | <b>VYH04E</b> | 1872 |
| CEB for 2 + 6 way Horizontal PPI DD DB  | 1 | <b>VYH06E</b> | 2938 |
| CEB for 2 + 8 way Horizontal PPI DD DB  | 1 | <b>VYH08E</b> | 3436 |
| CEB for 2 + 12 way Horizontal PPI DD DB | 1 | <b>VYH12E</b> | 3882 |



VYH08E

#### CEB for TPNTier PPI DB

|  |   |                |      |
|--|---|----------------|------|
| CEB for 2 + 6 way Tier PPI DD DB         | 1 | <b>VYP06E</b>  | 1616 |
| CEB for 2 + 8 way Tier PPI DD DB         | 1 | <b>VYP08E</b>  | 1646 |
| CEB for 2 + 10 way Tier PPI DD DB        | 1 | <b>VYP10E</b>  | 2039 |
| CEB for 2 + 12 way Tier PPI DD DB        | 1 | <b>VYP12E</b>  | 3115 |
| CEB for 2 + 12 way Tier PPI DD DB (MCCB) | 1 | <b>VYP12EM</b> | 3251 |

#### CEB for vertical TPN DB

|                            |   |               |      |
|----------------------------|---|---------------|------|
| CEB for Vertical TPN DD DB | 1 | <b>VYV00E</b> | 4977 |
|----------------------------|---|---------------|------|

#### CEB for Flexi DB

|                        |   |               |      |
|------------------------|---|---------------|------|
| CEB for 14Mod flexy DB | 1 | <b>VYF14E</b> | 1697 |
| CEB for 16Mod flexy DB | 1 | <b>VYF16E</b> | 2068 |

Note: DD means double door

### Accessories for novello<sup>+</sup> DBs



VZ100i

| Description                                 | Pack Qty. | Cat. Ref.     | Unit MRP (₹) |
|---|-----------|---------------|--------------|
| Keylock + 2 keys                            | 10        | <b>VZ100i</b> | 1987         |
| Door handle for novello <sup>+</sup> TPN DB | 10        | <b>VZ101i</b> | 873          |
| Neutral link 5 connection                   | 10        | <b>VZ110i</b> | 220          |
| Neutral link 9 connection                   | 10        | <b>VZ111i</b> | 303          |
| Neutral link 15 connection                  | 10        | <b>VZ112i</b> | 413          |
| Neutral link 19 connection                  | 10        | <b>VZ113i</b> | 474          |
| 4 way 8 Segment cover plate - 4 Mod         | 5         | <b>VZ120i</b> | 474          |
| 8 way 8 Segment cover plate - 4 Mod         | 5         | <b>VZ121i</b> | 578          |
| 6 way 8 Segment cover plate - 4 Mod         | 5         | <b>VZ122i</b> | 674          |
| 12 way 8 Segment cover plate - 4 Mod        | 5         | <b>VZ123i</b> | 770          |



VF312TJ

## golf enclosures

### Characteristics:

- Double door: IP40
- Flush & surface mounted versions

- Plain & transparent door versions system
- Easy and safe cable management

### Flush mounting

| Description                         | Pack Qty. | Cat. Ref.<br>plain door | Cat. Ref.<br>acrylic door | Unit MRP (₹) |
|-------------------------------------|-----------|-------------------------|---------------------------|--------------|
| 1 row 4 modules<br>(4 way SPN DB)   | 1         | <b>VF104PJ</b>          | <b>VF104TJ</b>            | 1999         |
| 1 row 8 modules<br>(8 way SPN DB)   | 1         | <b>VF108PJ</b>          | <b>VF108TJ</b>            | 2625         |
| 1 row 12 modules<br>(12 way SPN DB) | 1         | <b>VF112PJ</b>          | <b>VF112TJ</b>            | 3335         |
| 1 row 18 modules<br>(18 way SPN DB) | 1         | <b>VF118PJ</b>          | <b>VF118TJ</b>            | 4445         |
| 2 row 24 modules<br>(6 way TPN DB)  | 1         | ▶ <b>VF212PJ</b>        | <b>VF212TJ</b>            | 5106         |
| 2 row 36modules<br>(8 way TPN DB)   | 1         | <b>VF218PJ</b>          | <b>VF218TJ</b>            | 6932         |
| 3 row 36 modules<br>(8 way TPN DB)  | 1         | <b>VF312PJ</b>          | <b>VF312TJ</b>            | 6663         |
| 4 row 48 modules<br>(12 way TPN DB) | 1         | <b>VF412PJ</b>          | <b>VF412TJ</b>            | 8159         |



VS412PJ

### Surface mounting

| Description                         | Pack Qty. | Cat. Ref.<br>plain door | Cat. Ref.<br>acrylic door | Unit MRP (₹) |
|-------------------------------------|-----------|-------------------------|---------------------------|--------------|
| 1 row 4 modules<br>(4 way SPN DB)   | 1         | <b>VS104PJ</b>          | <b>VS104TJ</b>            | 1999         |
| 1 row 8 modules<br>(8 way SPN DB)   | 1         | <b>VS108PJ</b>          | <b>VS108TJ</b>            | 2625         |
| 1 row 12 modules<br>(12 way SPN DB) | 1         | <b>VS112PJ</b>          | <b>VS112TJ</b>            | 3335         |
| 1 row 18 modules<br>(18 way SPN DB) | 1         | <b>VS118PJ</b>          | <b>VS118TJ</b>            | 4445         |
| 2 row 24 modules<br>(6 way TPN DB)  | 1         | <b>VS212PJ</b>          | <b>VS212TJ</b>            | 5106         |
| 2 row 36modules<br>(8 way TPN DB)   | 1         | <b>VS218PJ</b>          | <b>VS218TJ</b>            | 6932         |
| 3 row 36 modules<br>(8 way TPN DB)  | 1         | <b>VS312PJ</b>          | <b>VS312TJ</b>            | 6663         |
| 4 row 48 modules<br>(12 way TPN DB) | 1         | <b>VS412PJ</b>          | <b>VS412TJ</b>            | 8159         |

## golf enclosures



### Advantages for you:

- Easy mounting - wall box can be turned 180° and has a removable cable entry slide
- More wiring space - between the modular devices and terminals as well as behind the DIN rails
- Clean and convenient wiring - thanks to patented integrated cable management system
- Unbreakable door hinges
- Same door for VS surface mounted version and VF flush mounted version
- Optimised conduit and trunking entries



VE318L

## vector enclosures

### Characteristics:

- Double door: IP65
- Surface mounted version

- Flexibility to mount incomer & outgoing as per need

### Total modules

| Description          | Pack Qty. | Cat. Ref. | Unit MRP (₹) |
|----------------------|-----------|-----------|--------------|
| 1 row 3 modules      | 1         | ▶ VE103L  | 3080         |
| 1 row 6 modules      | 1         | ▶ VE106L  | 3826         |
| 1 row 10 modules     | 1         | ▶ VE110L  | 5331         |
| 1 row 12 modules     | 1         | ▶ VE112L  | 6322         |
| 1 row 18 modules     | 1         | VE118L    | 7527         |
| 2 row 24 modules     | 1         | VE212L    | 8577         |
| 2 row 36 modules     | 1         | VE218L    | 12689        |
| 3 row 36 modules     | 1         | VE312L    | 11613        |
| 4 row 48 modules     | 1         | VE412L    | 16469        |
| 3 row 54 modules     | 1         | VE318L    | 18790        |
| vector IP65 Key lock | 1         | VZ311     | 931          |

## Busbars, neutral bars & other accessories for DBs

### Characteristics:

- All Insulated busbars are rated for 63A



KDN163A

### Fork busbars (for MCBs NBN--N, NCN---N & NDN---N)

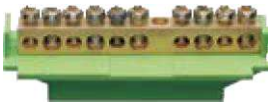
| Description               | Pack Qty. | Cat. Ref. | Unit MRP (₹) |
|---------------------------|-----------|-----------|--------------|
| 1 pole 1 mod step, 12 mod | 100       | KDN163A   | 547          |
| 1 pole 1 mod step, 56 mod | 50        | ▶ KD163B  | 2047         |
| 2 pole 2 mod step, 12 mod | 50        | KDN263A   | 927          |
| 2 pole 2 mod step, 56 mod | 20        | ▶ KD263B  | 3916         |
| 3 pole 3 mod step, 12 mod | 50        | KDN363A   | 984          |
| 3 pole 3 mod step, 57 mod | 20        | ▶ KD363B  | 4943         |
| 4 pole 4 mod step, 12 mod | 25        | KDN463A   | 2034         |
| 4 pole 4 mod step, 56 mod | 10        | ▶ KD463B  | 8794         |

### Prong busbars (for MCBs ML---J)

| Description                           | Pack Qty. | Cat. Ref. | Unit MRP (₹) |
|---------------------------------------|-----------|-----------|--------------|
| 1 pole 1 step 13 mod - Brown (phase)  | 1         | KB163P    | 567          |
| 1 pole 1 step 13 mod - Blue (neutral) | 1         | KB163N    | 567          |

### End caps for busbars

| Description                | Pack Qty. | Cat. Ref. | Unit MRP (₹) |
|----------------------------|-----------|-----------|--------------|
| for 1 pole fork busbar     | 50        | KZN021    | 34           |
| for 2 & 3 pole fork busbar | 10        | KZN023    | 48           |
| for 4 pole fork busbar     | 10        | KZN024    | 83           |



KM14N

| Description                        | Pack Qty. | Cat. Ref. | Unit MRP (₹) |
|------------------------------------|-----------|-----------|--------------|
| 63A din rail mounting neutral link | 25        | KM14N     | 571          |
| Half mod blanking plate            | 50        | P031F     | 41           |
| One mod blanking plate             | 50        | P032F     | 41           |

# Protection Devices

Hager protection devices set the industry standard for reliability, quality and performance. It is the mission of company to provide the highest quality products that clearly set themselves apart from the market. Hager range of modular protection devices comprises of over-current protection, residual current protection, surge protection, over-voltage and under-voltage protection solution.





|   |    |
|---|----|
| <b>hW</b> ACBs                                      | 27 |
| <b>h3+</b> MCCBs thermal magnetic release           | 30 |
| <b>h3+</b> MCCBs microprocessor LSI release         | 31 |
| <b>h3+</b> MCCBs microprocessor LSIg release        | 32 |
| <b>h3+</b> MCCBs microprocessor LSIg energy release | 33 |
| <b>h3+</b> MCCBs accessories                        | 36 |
| <b>h3</b> MCCBs thermal magnetic release            | 37 |
| MCCBs trip free switches                            | 39 |
| MCCBs accessories                                   | 40 |
| Power Contactor, Overload Relay and MPCB            | 41 |
| Manual changeover switches                          | 44 |
| MCOS enclosures                                     | 44 |
| Automatic transfer switch                           | 45 |
| Automatic changeover with current limiter<br>- SPN  | 46 |
| Automatic changeover with current limiter<br>- TPN  | 46 |
| <b>h3</b> MCBs type NBN, NCN 0.5 to 63 A            | 47 |
| <b>h3</b> MCBs type NDN 0.5 to 63 A                 | 48 |
| MCBs type HLF 80 to 125 A                           | 49 |
| Auxilliaris & accessories                           | 49 |
| RCCBs   | 50 |
| RCCB - type Hi (high immunity)                      | 50 |
| RCBOs - 2 pole 2 modules                            | 51 |
| RCBOs / RCBOs type Hi                               | 51 |
| RCBO, RCD+MCB modules                               | 52 |
| RCD add-on blocks (125A)                            | 53 |
| HRC fuse carriers                                   | 54 |
| HRC cartridge fuses gG type                         | 54 |
| Surge protection devices                            | 55 |
| Modular changeover switches                         | 56 |
| Isolating switches                                  | 56 |

# High powered air circuit breakers **hw**

Air Circuit Breakers get their name from the fact that their breaking chambers are in the open air to allow better energy dissipation. Their electrical and mechanical strength, breaking capacity, maintainability, and accessories make them ideal for protection for low voltage installations.



**:hager**



HWBS416EDA

### hw Draw-out & Fixed type Air Circuit Breakers 800-5000A

**Characteristics:**

- Conforms to IEC 60947-2
- Upto 100kA breaking capacity
- Microprocessor based Protection Release with inbuilt ZSI
- Inbuilt terminal adaptor for incoming and outgoing
- Inbuilt Digital Output for Separate Fault Indication standard
- Fully rated Neutral with inbuilt protection

| Breaking Capacity<br>Icu=Ics=Icw(1sec) | Rating (A) | 3 Pole with LSIG (w/o Display) |        | 4 Pole with LSIG (w/o Display) |        |
|--|------------|--------------------------------|--------|--------------------------------|--------|
|  |            | MDO (₹)                        | MF (₹) | MDO (₹)                        | MF (₹) |
| Frame A - Type H<br>50kA               | 630        | 229424                         | 164615 | 263501                         | 213408 |
|  | 800        | 229424                         | 164615 | 263501                         | 213408 |
|  | 1000       | 231922                         | 183729 | 284613                         | 222850 |
|  | 1250       | 263289                         | 190867 | 308921                         | 230856 |
|  | 1600       | 299247                         | 234403 | 365131                         | 302991 |
| Frame A - Type N<br>65kA               | 2000       | 364780                         | 274664 | 447993                         | 358956 |
|  | 630        | 263838                         | 189307 | 303026                         | 245419 |
|  | 800        | 263838                         | 189307 | 303026                         | 245419 |
|  | 1000       | 266710                         | 211288 | 327305                         | 256277 |
|  | 1250       | 302782                         | 219497 | 355259                         | 265484 |
| Frame B - Type N<br>65kA               | 1600       | 344134                         | 269563 | 419901                         | 348440 |
|  | 2000       | 419497                         | 315864 | 515192                         | 412799 |
|  | 2500       | 450959                         | 334816 | 548164                         | 423119 |
|  | 3200       | 550170                         | 479122 | 674790                         | 591520 |
|  | 4000       | 672858                         | 589799 | 856983                         | 739992 |

| Breaking Capacity<br>Icu=Ics=Icw(1sec) | Rating (A) | 3 Pole with LSIG (w/o Display) |        | 4 Pole with LSIG (w/o Display) |        |
|--|------------|--------------------------------|--------|--------------------------------|--------|
|  |            | EDO (₹)                        | EF (₹) | EDO (₹)                        | EF (₹) |
| Frame A - Type H<br>50kA               | 630        | 273624                         | 208815 | 307701                         | 257608 |
|  | 800        | 273624                         | 208815 | 307701                         | 257608 |
|  | 1000       | 276122                         | 227929 | 328813                         | 267050 |
|  | 1250       | 307489                         | 235067 | 353121                         | 275056 |
|  | 1600       | 343447                         | 278603 | 409331                         | 347191 |
| Frame A - Type N<br>65kA               | 2000       | 408980                         | 318864 | 492193                         | 403156 |
|  | 630        | 308038                         | 233507 | 347226                         | 289619 |
|  | 800        | 308038                         | 233507 | 347226                         | 289619 |
|  | 1000       | 310910                         | 255488 | 371505                         | 300477 |
|  | 1250       | 346982                         | 263697 | 399459                         | 309684 |
| Frame B - Type N<br>65kA               | 1600       | 388334                         | 313763 | 464101                         | 392640 |
|  | 2000       | 463697                         | 360064 | 559392                         | 456999 |
|  | 2500       | 495159                         | 379016 | 592364                         | 467319 |
|  | 3200       | 594370                         | 523322 | 718990                         | 635720 |
|  | 4000       | 717058                         | 633999 | 901183                         | 784192 |

**Accessories**

| Description                           | Cat. Ref. | Unit MRP (₹) |
|---------------------------------------|-----------|--------------|
| Shunt Release - DC 24V                | HWX501    | 6000         |
| Shunt Release - AC/DC 110V            | HWX503    | 6000         |
| Shunt Release - AC/DC 220-250V        | HWX504    | 6000         |
| Closing Release - DC 24V              | HWX551    | 6000         |
| Closing Release - AC/DC 110V          | HWX553    | 6000         |
| Closing Release - AC/DC 220-250V      | HWX554    | 6000         |
| Undervoltage Release - AC/DC 110V     | HWX513    | 6000         |
| Undervoltage Release - AC/DC 220-250V | HWX514    | 6000         |
| Undervoltage Release - AC 380-415V    | HWX515    | 6000         |
| Motor Operator - DC 24V               | HWX541    | 32200        |
| Motor Operator - AC/DC 110V           | HWX543    | 32200        |
| Motor Operator - AC/DC 220-250V       | HWX544    | 32200        |

**Note:**

- EDO version of ACB is inclusive of shunt release, closing coil and motor operator MRP

**ACB Variants**

| Description   |        | Unit MRP (₹) |
|---|--------|--------------|
| Switch Disconnecter version (without Protection Release)        | Reduce | 20000        |
| ACB with LSIG + "A" Release (LCD display with Current Metering) | Add    | 8500         |
| ACB with LSIG + "E" Release (LCD display with Energy Metering)  |        | On Request   |

**Note:**

- LP changes for product configuration w.r.t. ACB having LSIG trip unit

# hW Air Circuit Breakers

## Product codification principle - 18 digits

H W | A | H | 3 | 16 | E | F | A | 0 | A | A | 0 | A | 0 | A | 0

**ACB series name**

**Frame size**

A = Frame size A  
B = Frame size B  
C = Frame size C

**Product Family + Breaking capacity**

H = breaker with breaking capacity of 50kA  
N = breaker with breaking capacity of 65kA  
S = breaker with breaking capacity of 85kA  
P = breaker with breaking capacity of 100kA

**Number of poles**

3 = 3 poles  
4 = 4 poles

**Rated current (In)**

|            |            |
|------------|------------|
| 06 = 630A  | 20 = 2000A |
| 08 = 800A  | 25 = 2500A |
| 10 = 1000A | 32 = 3200A |
| 12 = 1250A | 40 = 4000A |
| 16 = 1600A | 50 = 5000A |

**Market**

E = Market letter

**Version**

F = fixed  
D = draw-out

**Trip unit**

|                         |                                  |
|-------------------------|----------------------------------|
| A = no OCR switch disc. | E = OCR LCD display Amp LI       |
| B = OCR STD LI          | F = OCR LCD display Amp LSI      |
| C = OCR STD LSI         | G = OCR LCD display Amp LSI G    |
| D = OCR STD LSI G       | H = OCR LCD display Energy LSI G |

**Terminal connection**

|                                     |  |
|-------------------------------------|--|
| 0 = without                         | 5 = front terminal (FC/FC)                         |
| 1 = horizontal terminal (HC/HC)     | 6 = front terminal and horizontal terminal (FC/HC) |
| 2 = vertical terminal (VC/VC)       | 7 = front terminal and vertical terminal (FC/VC)   |
| 3 = horizontal and vertical (HC/VC) | 8 = horizontal terminal and front terminal (HC/FC) |
| 4 = vertical and horizontal (VC/HC) | 9 = vertical terminal and front terminal (VC/FC)   |

# Air Circuit Breakers

**Position switch (only DO ACB) & mechanical interlock (pre-assembled)**

- 0 = without
- 1 = isolated 1C, test 1C, connected 2C
- 2 = inserted 1C, isolated 1C, test 1C, connected 1C
- 3 = inserted 1C, isolated 1C, test 3C, connected 3C
- 4 = inserted 2C, isolated 2C, test 2C, connected 2C
- 5 = without & MI
- 6 = isolated 1C, test 1C, connected 2C & MI
- 7 = inserted 1C, isolated 1C, test 1C, connected 1C & MI
- 8 = inserted 1C, isolated 1C, test 3C, connected 3C & MI
- 9 = inserted 2C, isolated 2C, test 2C, connected 2C & MI

**OFF lock (key lock device)**

- A = without
- B = type 1 (key lock device)
- C = type 2 (key lock device)
- D = type 3 (key lock device)
- E = type 4 (key lock device)
- F = type 5 (key lock device)
- G = Ronis type 1 - K1-L1/L4
- H = Ronis type 2 - K2-L2/4/5
- I = Ronis type 3 - K3-L3/5
- J = Ronis type 4 - K4-L4
- K = Ronis type 5 - K5-L5
- L = Castell type 1 - AA
- M = Castell type 2 - AB
- N = Castell type 3 - A\_

**MOC 2nd Auxiliary Switch & Counter & Arc Shield (only DO ACB)**

- 0 = without Counter & without MOC & without Arc Shield
- 1 = with Counter & without MOC & without Arc Shield
- 2 = without Counter & with MOC & without Arc Shield
- 3 = with Counter & with MOC & without Arc Shield
- 4 = without Counter & without MOC & with Arc Shield
- 5 = with Counter without MOC & with Arc Shield
- 6 = without Counter & with MOC & with Arc Shield
- 7 = with Counter & with MOC & with Arc Shield

**Under voltage release or 2nd SH coil**

- |                                |                                     |
|--------------------------------|-------------------------------------|
| A = without                    | K = AC 440V with time delay         |
| B = AC/DC 110V                 | L = DC 24V with time delay          |
| C = AC/DC 220V                 | M = DC 48V with time delay          |
| D = AC 380V                    | N = AC/DC 110V double shunt release |
| E = AC 440V                    | O = AC/DC 220V double shunt release |
| F = DC 24V                     | P = AC 380V double shunt release    |
| G = DC 48V                     | Q = AC 440V double shunt release    |
| H = AC/DC 110V with time delay | R = DC 24V double shunt release     |
| I = AC/DC 220V with time delay | S = DC 48V double shunt release     |
| J = AC 380V with time delay    |                                     |

**Closing release**

- |                |             |
|----------------|-------------|
| 0 = without    | 4 = AC 440V |
| 1 = AC/DC 110V | 5 = DC 24V  |
| 2 = AC/DC 220V | 6 = DC 48V  |
| 3 = AC 380V    |             |

**Motor operator & ready to close switch**

- |                           |                               |
|---------------------------|-------------------------------|
| A = without               | N = AC/DC 110V motor with RTC |
| B = AC/DC 110V motor only | O = AC/DC 220V motor with RTC |
| C = AC/DC 220V motor only | P = AC 380V motor with RTC    |
| D = AC 380V motor only    | Q = AC 440V motor with RTC    |
| E = AC 440V motor only    | R = DC 24V motor with RTC     |
| F = DC 24V motor only     | S = DC 48V motor with RTC     |
| G = DC 48V motor only     | U = without motor with RTC    |

**Shunt release**

- |                |             |
|----------------|-------------|
| A = without    | E = AC 440V |
| B = AC/DC 110V | F = DC 24V  |
| C = AC/DC 220V | G = DC 48V  |
| D = AC380V     |             |

**01**

**Intelligent OCR**

LSIGN protection, LCD display, pretrip alarm, fault recording, remote reset. Signal indication LED PTA/LSI/GF/COM.



**02**

**Flexible protection**

Can switch ON/OFF LSIGN and thermal memory separately.



**03**

**Easy communication**

To build up communication network. Communication module integrated in OCR.



**04**

**Easy maintenance**

Event record 200, fault record 250 (reserved for ever), OCR checker tool.



**05**

**Flexible terminal connection**

Horizontal/Vertical terminal rotate at 90° to make it easier for panel builder to mount on busbars. For frame A up to 1600A and frame B up to 3200A.



**06**

**Wide range of accessories**

Including: arc shield, phase barrier, temperature sensor, dust cover (IP54)





HHS025DR

**h3+ MCCBs thermal magnetic release**

**Characteristics:**

- Complies with IEC 60947-2
- 3 Frame sizes: P160 , P250 & P630
- Thermal Magnetic Trip Unit with adjustable O/L and S/C
- Adjustable Overload from 63% to 100%
- Neutral Protection for all 4P breakers as standard (option of OFF / 50% / 100% Neutral setting)
- Calibrated at 50°C
- Current Limiting type
- Complete range of accessories
- Direct mounting arrangement for Extended Rotary Handle for quick installation
- International Certification and approvals

**Breaking Capacity**

| Rated Current | Frame | Cat. Ref. 3 Pole | Unit MRP (₹) | Cat. Ref. 4 Pole | Unit MRP (₹) |       |
|---------------|-------|------------------|--------------|------------------|--------------|-------|
| 25kA          | P160  | ▶ HHS040DR       | 10367        | ▶ HHS041DR       | 12181        |       |
|               |       | ▶ HHS063DR       | 10367        | ▶ HHS064DR       | 12181        |       |
|               |       | HHS080DR         | 10367        | ▶ HHS081DR       | 12181        |       |
|               |       | ▶ HHS100DR       | 10367        | ▶ HHS101DR       | 12181        |       |
|               |       | ▶ HHS125DR       | 16382        | ▶ HHS126DR       | 20077        |       |
|               |       | ▶ HHS160DR       | 18084        | ▶ HHS161DR       | 22528        |       |
|               | P250  | ▶ HHT200DR       | 29610        | ▶ HHT201DR       | 35617        |       |
|               |       | ▶ HHT250DR       | 30178        | ▶ HHT251DR       | 37194        |       |
|               |       | ▶ HHJ320DR       | 37650        | ▶ HHJ321DR       | 47127        |       |
|               |       | ▶ HHJ400DR       | 37679        | ▶ HHJ401DR       | 47816        |       |
|               |       | P630             | ▶ HHJ630DE   | 48825            | ▶ HHJ631DE   | 57370 |

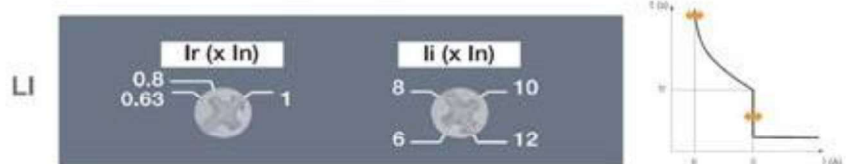
**Breaking Capacity**

| Rated Current | Frame | Cat. Ref. 3 Pole | Unit MRP (₹) | Cat. Ref. 4 Pole | Unit MRP (₹) |       |
|---------------|-------|------------------|--------------|------------------|--------------|-------|
| 40kA          | P160  | HNS040DR         | 11796        | HNS041DR         | 13854        |       |
|               |       | ▶ HNS063DR       | 11796        | ▶ HNS064DR       | 13854        |       |
|               |       | HNS080DR         | 11796        | HNS081DR         | 13854        |       |
|               |       | ▶ HNS100DR       | 11796        | ▶ HNS101DR       | 13854        |       |
|               |       | ▶ HNS125DR       | 17264        | ▶ HNS126DR       | 21459        |       |
|               |       | ▶ HNS160DR       | 19101        | ▶ HNS161DR       | 23751        |       |
|               | P250  | ▶ HNT200DR       | 29986        | ▶ HNT201DR       | 39685        |       |
|               |       | ▶ HNT250DR       | 31872        | ▶ HNT251DR       | 40085        |       |
|               |       | ▶ HNJ320DR       | 38415        | ▶ HNJ321DR       | 48135        |       |
|               |       | ▶ HNJ400DR       | 38444        | ▶ HNJ401DR       | 48794        |       |
|               |       | P630             | ▶ HNJ630DE   | 48656            | ▶ HNJ631DE   | 58541 |

**Breaking Capacity**

| Rated Current | Frame | Cat. Ref. 3 Pole | Unit MRP (₹) | Cat. Ref. 4 Pole | Unit MRP (₹) |       |
|---------------|-------|------------------|--------------|------------------|--------------|-------|
| 50kA          | P160  | HMS040DR         | 15414        | HMS041DR         | 19356        |       |
|               |       | HMS063DR         | 15414        | HMS064DR         | 19356        |       |
|               |       | HMS080DR         | 15414        | HMS081DR         | 19356        |       |
|               |       | ▶ HMS100DR       | 15414        | ▶ HMS101DR       | 19356        |       |
|               |       | ▶ HMS125DR       | 19411        | ▶ HMS126DR       | 22926        |       |
|               |       | ▶ HMS160DR       | 22411        | ▶ HMS161DR       | 26335        |       |
|               | P250  | ▶ HMT200DR       | 33710        | ▶ HMT201DR       | 41189        |       |
|               |       | ▶ HMT250DR       | 34680        | ▶ HMT251DR       | 44099        |       |
|               |       | ▶ HMJ320DR       | 42996        | ▶ HMJ321DR       | 52382        |       |
|               |       | ▶ HMJ400DR       | 43307        | ▶ HMJ401DR       | 53606        |       |
|               |       | P630             | ▶ HMJ630DE   | 55612            | ▶ HMJ631DE   | 70723 |

**h3+ Thermal Magnetic Releases**



- ✦ Rated Current (Ir) Settings from 63% In
- ✦ Neutral Protection in 4P versions (with option to switch off)

L – Long Time / I – Instantaneous



HHT250JR

### h3+ MCCBs microprocessor LSI release

**Characteristics:**

- Complies with IEC 60947-2
- 3 Frame sizes: P160, P250 & P630
- Microprocessor Trip Unit with LSI Protection
- Adjustable Overload with Delay / Short Circuit with adjustable Delay / Instantaneous
- I2T ON / OFF for precise coordination
- Dedicated Pre Trip Alarm Contact to help in service continuity

- Accurate setting of overload protection
- Neutral Protection for all 4P breakers as standard (option of OFF / 50% / 100% Neutral setting)
- Complete range of accessories
- Direct mounting arrangement for Extended Rotary Handle for quick installation
- International Certification and approvals

**Breaking Capacity**  
Ics=100% Icu as per IEC 60947-2)

| Rated Current | Frame | Cat. Ref. 3 Pole | Unit MRP (₹) | Cat. Ref. 4 Pole | Unit MRP (₹) |
|---------------|-------|------------------|--------------|------------------|--------------|
| 25kA          | P160  | HHS040JR         | 20461        | HHS041JR         | 26569        |
|               |       | HHS100JR         | 20461        | HHS101JR         | 26315        |
| 25kA          | P250  | HHS160JR         | 26135        | HHS161JR         | 33822        |
|               |       | HHT250JR         | 34352        | HHT251JR         | 44054        |

**Breaking Capacity**  
Ics=100% Icu as per IEC 60947-2)

| Rated Current | Frame | Cat. Ref. 3 Pole | Unit MRP (₹) | Cat. Ref. 4 Pole | Unit MRP (₹) |
|---------------|-------|------------------|--------------|------------------|--------------|
| 40kA          | P160  | HNS040JR         | 20503        | HNS041JR         | 26084        |
|               |       | HNS100JR         | 20503        | HNS101JR         | 26084        |
|               | P250  | HNS160JR         | 26219        | HNS161JR         | 36837        |
|               |       | HNT250JR         | 36147        | HNT251JR         | 49382        |
| 40kA          | P630  | HNW400JR         | 57422        | HNW401JR         | 65546        |
|               |       | HNW630JR         | 60697        | HNW631JR         | 78685        |

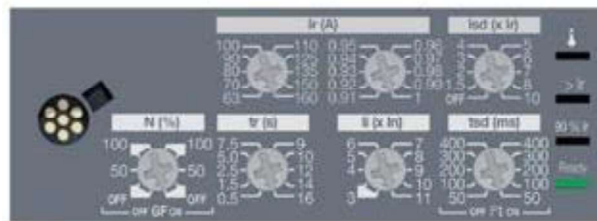
**Breaking Capacity**  
Ics=100% Icu as per IEC 60947-2)

| Rated Current | Frame    | Cat. Ref. 3 Pole | Unit MRP (₹) | Cat. Ref. 4 Pole | Unit MRP (₹) |
|---------------|----------|------------------|--------------|------------------|--------------|
| 50kA          | P160     | HMS040JR         | 23588        | HMS041JR         | 32310        |
|               |          | HMS100JR         | 23588        | HMS101JR         | 33277        |
|               |          | HMS160JR         | 29902        | HMS161JR         | 38721        |
|               | P250     | HMT250JR         | 40530        | HMT251JR         | 55495        |
|               |          | P630             | HMW400JR     | 60096            | HMW401JR     |
| 630A          | HMW630JR |                  | 62214        | HMW631JR         | 82429        |

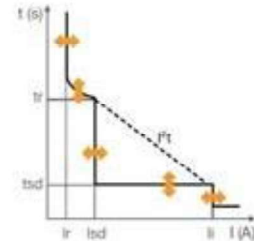
## h3+ Range Overview

### Electronic Releases

LSI  
LSIG



Trip unit LSI/LSIG



- + Easy Dial Settings in Absolute Value for Ir
- + Rated Current Settings with Fine Tuning From 35% of In
- + I2t On / Off Feature for precise coordination

L – Long Time / S – Short Time / I – Instantaneous / G – Ground Fault  
LSI – S with adjustable delay



HHT250LR

### h3+ MCCBs microprocessor LSIG release

**Characteristics:**

- Complies with IEC 60947-2
- 3 Frame sizes: P160, P250 & P630
- Microprocessor Trip Unit with LSIG Protection
- Adjustable Overload with Delay / Short Circuit with adjustable Delay / Ground Fault / Instantaneous
- I2T ON / OFF for precise coordination
- Dedicated PreTrip Alarm Contact to help in service continuity
- Accurate setting of overload protection
- Neutral Protection for all 4P breakers as standard (option of OFF / 50% / 100% Neutral setting)
- Complete range of accessories
- Direct mounting arrangement for Extended Rotary Handle for quick installation
- International Certification and approvals

**Breaking Capacity**

| Ics=100% Icu as per IEC 60947-2 | Rated Current | Frame    | Cat. Ref. 3 Pole | Unit MRP (₹) | Cat. Ref. 4 Pole | Unit MRP (₹) |
|---------------------------------|---------------|----------|------------------|--------------|------------------|--------------|
| 25kA                            | 40A           | P250     | HHT040LR         | 36855        | HHT041LR         | 41250        |
|                                 | 100A          |          | HHT100LR         | 36855        | HHT101LR         | 41250        |
|                                 | 160A          |          | HHT160LR         | 38977        | HHT161LR         | 46866        |
|                                 | 250A          | HHT250LR | 44630            | HHT251LR     | 53474            |              |

**Breaking Capacity**

| Ics=100% Icu as per IEC 60947-2 | Rated Current | Frame | Cat. Ref. 3 Pole | Unit MRP (₹) | Cat. Ref. 4 Pole | Unit MRP (₹) |
|---------------------------------|---------------|-------|------------------|--------------|------------------|--------------|
| 40kA                            | 40A           | P250  | HNT040LR         | 37033        | HNT041LR         | 42877        |
|                                 | 100A          |       | HNT100LR         | 37033        | HNT101LR         | 42877        |
|                                 | 160A          |       | HNT160LR         | 40277        | HNT161LR         | 48363        |
|                                 | 250A          |       | HNT250LR         | 45166        | HNT251LR         | 56030        |
|                                 | 400A          | P630  | HNW400LR         | 64172        | HNW401LR         | 73017        |
|                                 | 630A          |       | HNW630LR         | 73741        | HNW631LR         | 86801        |

**Breaking Capacity**

| Ics=100% Icu as per IEC 60947-2 | Rated Current | Frame | Cat. Ref. 3 Pole | Unit MRP (₹) | Cat. Ref. 4 Pole | Unit MRP (₹) |
|---------------------------------|---------------|-------|------------------|--------------|------------------|--------------|
| 50kA                            | 40A           | P250  | HMT040LR         | 40277        | HMT041LR         | 46157        |
|                                 | 100A          |       | HMT100LR         | 40277        | HMT101LR         | 46157        |
|                                 | 160A          |       | HMT160LR         | 45727        | HMT161LR         | 49442        |
|                                 | 250A          |       | HMT250LR         | 48864        | HMT251LR         | 57366        |
|                                 | 400A          | P630  | HMW400LR         | 65957        | HMW401LR         | 80658        |
|                                 | 630A          |       | HMW630LR         | 74001        | HMW631LR         | 92344        |

### h3+ Key Benefits



**Integrated PTA output contact**  
Output contact dedicated to the overload prealarm.



\* No derating up to 50°C



**High contrast display**  
Display on h3+ Energy breakers can be oriented in any direction to match the MCCB orientation.



**Integrated OAC output contact**  
Output contact assignable to a custom alarm with access behind the front cover. Available in Energy release





HHS040NR

### h3+ MCCBs microprocessor LSIG - energy release

**Characteristics:**

- Complies with IEC 60947-2
- 3 Frame sizes: P160, P250 & P630
- Microprocessor Trip Unit with LSIG Protection, OLED Display
- Multifunction Metering with accuracy class 0.5 for V & I
- Adjustable Overload with Delay / Short Circuit with adjustable Delay / Ground Fault / Instantaneous
- I2T ON / OFF for precise coordination
- Pre Trip Alarm Contact to help in service continuity
- Alarm Management with dedicated alarm contact
- ZSI for intelligent discrimination
- Optimal Panel mounted display for visualization and control
- Complete range of accessories
- Direct mounting arrangement for Extended Rotary Handle for quick installation
- International Certification and approvals

**Breaking Capacity**

| Ics=100% Icu as per IEC 60947-2) |      | Rated Current | Frame    | Cat. Ref. 3 Pole | Unit MRP (₹) | Cat. Ref. 4 Pole | Unit MRP (₹) |
|----------------------------------|------|---------------|----------|------------------|--------------|------------------|--------------|
| 25kA                             | 40A  | P160          | HHS040NR | 58945            | HHS041NR     | 65493            |              |
|                                  | 100A |               |          |                  |              |                  | HHS100NR     |
|                                  | 160A | P250          | HHS160NR | 58976            | HHS161NR     | 65660            |              |
|                                  | 250A |               |          |                  |              |                  | HHT250NR     |

**Breaking Capacity**

| Ics=100% Icu as per IEC 60947-2) |      | Rated Current | Frame    | Cat. Ref. 3 Pole | Unit MRP (₹) | Cat. Ref. 4 Pole | Unit MRP (₹) |        |          |        |
|----------------------------------|------|---------------|----------|------------------|--------------|------------------|--------------|--------|----------|--------|
| 40kA                             | 40A  | P160          | HNS040NR | 60508            | HNS041NR     | 67103            |              |        |          |        |
|                                  | 100A |               |          |                  |              |                  | HNS100NR     | 60508  | HNS101NR | 67103  |
|                                  | 160A |               |          |                  |              |                  |              |        |          |        |
|                                  | 250A | HNT250NR      | 62220    | HNT251NR         | 74956        |                  |              |        |          |        |
|                                  | 400A | P630          | HNW400NR | 93196            | HNW401NR     | 104964           |              |        |          |        |
|                                  | 630A |               |          |                  |              |                  | HNW630NR     | 105838 | HNW631NR | 130499 |

**Breaking Capacity**

| Ics=100% Icu as per IEC 60947-2) |      | Rated Current | Frame    | Cat. Ref. 3 Pole | Unit MRP (₹) | Cat. Ref. 4 Pole | Unit MRP (₹) |        |          |        |
|----------------------------------|------|---------------|----------|------------------|--------------|------------------|--------------|--------|----------|--------|
| 50kA                             | 40A  | P160          | HMS040NR | 61409            | HMS041NR     | 68116            |              |        |          |        |
|                                  | 100A |               |          |                  |              |                  | HMS100NR     | 61409  | HMS101NR | 68116  |
|                                  | 160A |               |          |                  |              |                  |              |        |          |        |
|                                  | 250A | HMT250NR      | 63144    | HMT251NR         | 76077        |                  |              |        |          |        |
|                                  | 400A | P630          | HMW400NR | 94586            | HMW401NR     | 106849           |              |        |          |        |
|                                  | 630A |               |          |                  |              |                  | HMW630NR     | 106887 | HMW631NR | 132449 |

### h3+ Energy Release with embedded display



**Energy electronic trip unit with:**

- + Embedded OLED display (Detachable)
- + Easy usability through single Joystick
- + Measurement features (I, V, P, E, PF, THD, F...)
- + Class 0.5 accuracy for V & I according to IEC 61557-12
- + Alarm management and event histories
- + Inbuilt Output contacts for alarms
- + Modbus communication for remote monitoring and control
- + Configuration via wifi for easy maintenance
- + Panel display for Local Visualization & control
- + ZSI for Intelligent Discrimination

h3+ traditional version

# Guaranteed protection

The new range of moulded case circuit breakers provides solutions suitable for electrical installations in commercial buildings. It offers reliable protection against overloads and short circuits.

The multiple setting options, created by coordinating the protection systems, offer the best possible combinations. This brings a threefold benefit: guaranteeing user and equipment safety under all conditions, ensuring continuity of service and availability of energy in normal operating situations, and, in case of transient faults, reducing the risks to the installation's components.



All products in the new range can be easily integrated in the hager enclosure systems.



- Most compact product on the market with measurement and communication.
- From 25 to 630 A
- Three frame sizes
- Can be mounted on the DIN rail in option up to 250 A
- TM, MAG, LSnl, LSI, LSIg and Energy trip units
- Breaking capacity of 25, 40, 50, 70 and 110 kA at 415 VAC
- 3P3D or 4P4D  
(neutral adjustable to 0, 50 or 100 %)
- Wide range of auxiliaries and accessories
- Horizontal or vertical installation

## 01

### Secure screw

The quarter-turn auxiliary access system saves time when installing the product. The secure screw offers additional comfort.



## 02

### Hinged front cover

The front cover offers multiple advantages. It is mounted on hinges. It remains integral with the case once opened, preventing incorrect refitting.



## 03

### Auxiliary window

The type of auxiliaries can be seen directly through the windows on the front panel, without removing the cover.



## 04

### Integrated padlock

The handle can be directly locked with no need for extra accessories.



All the technical specifications are available in the technical repository and the network calculation software, [hagercad.net](http://hagercad.net).



HXA011H

| Description             | Pack Qty. | Cat. Ref. | Unit MRP (₹) |
|-------------------------|-----------|-----------|--------------|
| <b>P160 Frame</b>       |           |           |              |
| Auxiliary Contact       | 1         | ▶ HXA021H | 1547         |
| Alarm Contact           | 1         | ▶ HXA024H | 1577         |
| Shunt 24V DC            | 1         | HXA001H   | 3255         |
| Shunt 230V AC           | 1         | ▶ HXA004H | 3255         |
| UnderVoltage - 24V DC   | 1         | HXA011H   | 3923         |
| UnderVoltage - 240V DC  | 1         | ▶ HXA014H | 3923         |
| UnderVoltage - 415V AC  | 1         | HXA015H   | 3923         |
| Direct Rotary Handle    | 1         | HXS030H   | 1569         |
| Extended Rotary Handle  | 1         | HXS031H   | 2510         |
| Spreaders - 3P          | 1         | ▶ HYS011H | 854          |
| Spreaders - 4P          | 1         | ▶ HYS012H | 1110         |
| Interphase barrier 3/4P | 1         | ▶ HYS019H | 528          |



HXA004H

| Description                          | Pack Qty. | Cat. Ref. | Unit MRP (₹) |
|--------------------------------------|-----------|-----------|--------------|
| <b>P250 Frame</b>                    |           |           |              |
| Auxiliary Contact                    | 1         | ▶ HXA021H | 1547         |
| Alarm Contact                        | 1         | ▶ HXA024H | 1577         |
| Shunt 24V DC                         | 1         | HXA001H   | 3255         |
| Shunt 230V AC                        | 1         | ▶ HXA004H | 3255         |
| UnderVoltage - 24V DC                | 1         | HXA011H   | 3923         |
| UnderVoltage - 240V DC               | 1         | ▶ HXA014H | 3923         |
| UnderVoltage - 415V AC               | 1         | HXA015H   | 3923         |
| Direct Rotary Handle                 | 1         | HXT030H   | 1714         |
| Extended Rotary Handle               | 1         | HXT031H   | 2728         |
| Spreaders - 3P                       | 1         | ▶ HYB011H | 867          |
| Spreaders - 4P                       | 1         | ▶ HYB012H | 1180         |
| Interphase barrier 3/4P              | 1         | HYT019H   | 536          |
| Motor Mechanism (auto reset) 240V AC | 1         | HXT042H   | 31505        |



HXW030H

| Description                          | Pack Qty. | Cat. Ref. | Unit MRP (₹) |
|--------------------------------------|-----------|-----------|--------------|
| <b>P630 Frame</b>                    |           |           |              |
| Auxiliary Contact                    | 1         | ▶ HXA021H | 1547         |
| Alarm Contact                        | 1         | ▶ HXA024H | 1577         |
| Shunt 24V DC                         | 1         | HXA001H   | 3255         |
| Shunt 230V AC                        | 1         | ▶ HXA004H | 3255         |
| UnderVoltage - 24V DC                | 1         | HXA011H   | 3923         |
| UnderVoltage - 240V DC               | 1         | ▶ HXA014H | 3923         |
| UnderVoltage - 415V AC               | 1         | HXA015H   | 3923         |
| Direct Rotary Handle                 | 1         | ▶ HXW030H | 2621         |
| Extended Rotary Handle               | 1         | ▶ HXW031H | 4945         |
| Spreaders - 3P                       | 1         | ▶ HYD014H | 2218         |
| Spreaders - 4P                       | 1         | ▶ HYD015H | 2671         |
| Interphase barrier 3/4P              | 1         | HYW019H   | 1138         |
| Motor Mechanism (auto reset) 240V AC | 1         | HXW042H   | 50199        |



HDA125Z

## MCCBs thermal magnetic release

### Characteristics:

- Complies with IEC 60947-2
- Thermal Magnetic and Microprocessor Trip Units
- Calibrated at 50°C

- Current Limiting type
- Complete range of accessories
- International Certification and approvals

### X160 frame MCCB fixed overload, fixed short circuit

breaking capacity  
Icu : 18kA

| Description  | Pack Qty. | Cat. Ref.        | Unit MRP (₹) |
|--------------|-----------|------------------|--------------|
| 32A, 3 pole  | 1         | <b>HDA032Z</b>   | 6942         |
| 40A, 3 pole  | 1         | <b>HDA040Z</b>   | 6942         |
| 63A, 3 pole  | 1         | ▶ <b>HDA063Z</b> | 6942         |
| 80A, 3 pole  | 1         | <b>HDA080Z</b>   | 6942         |
| 100A, 3 pole | 1         | ▶ <b>HDA100Z</b> | 6942         |
| 125A, 3 pole | 1         | ▶ <b>HDA125Z</b> | 8595         |
| 160A, 3 pole | 1         | ▶ <b>HDA160Z</b> | 9277         |



HHA125Z

|              |   |                  |      |
|--------------|---|------------------|------|
| 32A, 4 pole  | 1 | <b>HDA033Z</b>   | 7981 |
| 40A, 4 pole  | 1 | ▶ <b>HDA041Z</b> | 7981 |
| 63A, 4 pole  | 1 | ▶ <b>HDA064Z</b> | 7981 |
| 80A, 4 pole  | 1 | <b>HDA081Z</b>   | 7981 |
| 100A, 4 pole | 1 | ▶ <b>HDA101Z</b> | 7981 |
| 125A, 4 pole | 1 | ▶ <b>HDA126Z</b> | 9027 |
| 160A, 4 pole | 1 | ▶ <b>HDA161Z</b> | 9820 |

### X160 frame MCCB fixed overload, fixed short circuit

breaking capacity  
Icu : 25kA

| Description  | Pack Qty. | Cat. Ref.        | Unit MRP (₹) |
|--------------|-----------|------------------|--------------|
| 32A, 3 pole  | 1         | <b>HHA032Z</b>   | 8608         |
| 40A, 3 pole  | 1         | ▶ <b>HHA040Z</b> | 8608         |
| 63A, 3 pole  | 1         | ▶ <b>HHA063Z</b> | 8608         |
| 80A, 3 pole  | 1         | ▶ <b>HHA080Z</b> | 8608         |
| 100A, 3 pole | 1         | ▶ <b>HHA100Z</b> | 8608         |
| 125A, 3 pole | 1         | ▶ <b>HHA125Z</b> | 11612        |
| 160A, 3 pole | 1         | ▶ <b>HHA160Z</b> | 14483        |

|              |   |                  |       |
|--------------|---|------------------|-------|
| 32A, 4 pole  | 1 | <b>HHA033Z</b>   | 11739 |
| 40A, 4 pole  | 1 | ▶ <b>HHA041Z</b> | 11739 |
| 63A, 4 pole  | 1 | ▶ <b>HHA064Z</b> | 11739 |
| 80A, 4 pole  | 1 | ▶ <b>HHA081Z</b> | 11739 |
| 100A, 4 pole | 1 | ▶ <b>HHA101Z</b> | 11739 |
| 125A, 4 pole | 1 | ▶ <b>HHA126Z</b> | 15012 |
| 160A, 4 pole | 1 | ▶ <b>HHA161Z</b> | 18214 |



HDA161U

**X160 frame MCCB**  
overload adjustable 0.63-0.8-1 x In  
short circuit fixed  
breaking capacity  
Icu : 18kA

| Description  | Pack Qty. | Cat. Ref. | Unit MRP (₹) |
|--------------|-----------|-----------|--------------|
| 40A, 3 pole  | 1         | ▶ HDA040U | 7816         |
| 63A, 3 pole  | 1         | ▶ HDA063U | 7816         |
| 80A, 3 pole  | 1         | HDA080U   | 7816         |
| 100A, 3 pole | 1         | ▶ HDA100U | 7816         |
| 125A, 3 pole | 1         | ▶ HDA125U | 9297         |
| 160A, 3 pole | 1         | ▶ HDA160U | 10770        |

|              |   |           |       |
|--------------|---|-----------|-------|
| 40A, 4 pole  | 1 | ▶ HDA041U | 10231 |
| 63A, 4 pole  | 1 | ▶ HDA064U | 10231 |
| 80A, 4 pole  | 1 | ▶ HDA081U | 10231 |
| 100A, 4 pole | 1 | ▶ HDA101U | 10231 |
| 125A, 4 pole | 1 | ▶ HDA126U | 10848 |
| 160A, 4 pole | 1 | ▶ HDA161U | 12071 |



HHA161U

**X160 frame MCCB**  
overload adjustable 0.63-0.8-1 x In  
short circuit fixed  
breaking capacity  
Icu : 25kA

| Description  | Pack Qty. | Cat. Ref. | Unit MRP (₹) |
|--------------|-----------|-----------|--------------|
| 40A, 3 pole  | 1         | HHA040U   | 9820         |
| 63A, 3 pole  | 1         | ▶ HHA063U | 9820         |
| 80A, 3 pole  | 1         | HHA080U   | 9820         |
| 100A, 3 pole | 1         | ▶ HHA100U | 9820         |
| 125A, 3 pole | 1         | ▶ HHA125U | 11969        |
| 160A, 3 pole | 1         | ▶ HHA160U | 14732        |

|              |   |           |       |
|--------------|---|-----------|-------|
| 40A, 4 pole  | 1 | HHA041U   | 13271 |
| 63A, 4 pole  | 1 | HHA064U   | 13271 |
| 80A, 4 pole  | 1 | HHA081U   | 13271 |
| 100A, 4 pole | 1 | ▶ HHA101U | 13271 |
| 125A, 4 pole | 1 | ▶ HHA126U | 15613 |
| 160A, 4 pole | 1 | ▶ HHA161U | 19096 |



HNA126U

**X160 frame MCCB**  
overload adjustable 0.63-0.8-1 x In  
short circuit fixed  
breaking capacity  
Icu : 40kA

| Description  | Pack Qty. | Cat. Ref. | Unit MRP (₹) |
|--------------|-----------|-----------|--------------|
| 40A, 3 pole  | 1         | HNA040U   | 12147        |
| 63A, 3 pole  | 1         | HNA063U   | 12147        |
| 80A, 3 pole  | 1         | HNA080U   | 12147        |
| 100A, 3 pole | 1         | HNA100U   | 12147        |
| 125A, 3 pole | 1         | ▶ HNA125U | 14560        |
| 160A, 3 pole | 1         | ▶ HNA160U | 18214        |

|              |   |           |       |
|--------------|---|-----------|-------|
| 40A, 4 pole  | 1 | HNA041U   | 16136 |
| 63A, 4 pole  | 1 | ▶ HNA064U | 16136 |
| 80A, 4 pole  | 1 | ▶ HNA081U | 16136 |
| 100A, 4 pole | 1 | ▶ HNA101U | 16136 |
| 125A, 4 pole | 1 | ▶ HNA126U | 17501 |
| 160A, 4 pole | 1 | ▶ HNA161U | 20832 |



HNB100U

**X250 frame MCCB**  
**fixed overload, fixed short circuit**  
 Icu : 25kA

| Description  | Pack Qty. | Cat. Ref.        | Unit MRP (₹) |
|--------------|-----------|------------------|--------------|
| 200A, 3 pole | 1         | ▶ <b>HHB200Z</b> | 17781        |
| 250A, 3 pole | 1         | ▶ <b>HHB250Z</b> | 22209        |
| 200A, 4 pole | 1         | ▶ <b>HHB201Z</b> | 18489        |
| 250A, 4 pole | 1         | ▶ <b>HHB251Z</b> | 24142        |

**Over load adjustable 0.63-0.8-1 x In**  
**short circuit adjustable**  
**6-8-10-13 x In (100-200A)**  
**5-7-9-11 x In (250A)**  
 Icu : 40kA

| Description  | Pack Qty. | Cat. Ref.        | Unit MRP (₹) |
|--------------|-----------|------------------|--------------|
| 100A, 3 pole | 1         | <b>HNB100U</b>   | 13538        |
| 125A, 3 pole | 1         | <b>HNB125U</b>   | 15094        |
| 160A, 3 pole | 1         | <b>HNB160U</b>   | 19964        |
| 200A, 3 pole | 1         | ▶ <b>HNB200U</b> | 21188        |
| 250A, 3 pole | 1         | ▶ <b>HNB250U</b> | 28545        |
| 100A, 4 pole | 1         | <b>HNB101U</b>   | 17348        |
| 125A, 4 pole | 1         | <b>HNB126U</b>   | 18223        |
| 160A, 4 pole | 1         | <b>HNB161U</b>   | 22974        |
| 200A, 4 pole | 1         | ▶ <b>HNB201U</b> | 30708        |
| 250A, 4 pole | 1         | ▶ <b>HNB251U</b> | 34350        |

**H1000 frame MCCB**  
**Over load adjustable 0.4-1.0 x In**  
**short circuit adjustable**  
**2.5-10 x Ir (630-800A)**  
**2.5-8 x In (1000A)**  
**time delay 0.1-0.2 sec**  
 Icu : 50kA

| Description   | Pack Qty. | Cat. Ref.        | Unit MRP (₹) |
|---------------|-----------|------------------|--------------|
| 800A, 3 pole  | 1         | ▶ <b>HNE800H</b> | 124371       |
| 1000A, 3 pole | 1         | <b>HNE970H</b>   | 146906       |
| 800A, 4 pole  | 1         | ▶ <b>HNE801H</b> | 154423       |
| 1000A, 4 pole | 1         | <b>HNE971H</b>   | 195247       |



HCB251Z

**MCCBs trip free switches**  
**Switch disconnectors capacity suitable AC22/23A**

**X250 frame MCCB**

| Description  | Pack Qty. | Cat. Ref.      | Unit MRP (₹) |
|--------------|-----------|----------------|--------------|
| 250A, 3 pole | 1         | <b>HCB250Z</b> | 17290        |
| 250A, 4 pole | 1         | <b>HCB251Z</b> | 20190        |



HXA021H

| Description              | Pack Qty. | Cat. Ref. | Unit MRP (₹) |
|--------------------------|-----------|-----------|--------------|
| <b>X160 Frame MCCB</b>   |           |           |              |
| Auxiliary Contact        | 1         | ▶ HXA021H | 1547         |
| Alarm Contact            | 1         | ▶ HXA024H | 1577         |
| Shunt 24V DC             | 1         | HXA001H   | 3255         |
| Shunt 230V AC            | 1         | ▶ HXA004H | 3255         |
| UnderVoltage - 24V DC    | 1         | HXA011H   | 3923         |
| UnderVoltage - 240V AC   | 1         | ▶ HXA014H | 3923         |
| UnderVoltage - 415V AC   | 1         | ▶ HXA015H | 3923         |
| Direct Rotary Handle     | 1         | HXA030H   | 1971         |
| Extended Rotary Handle   | 1         | ▶ HXA031H | 2770         |
| Spreaders - 3P           | 1         | ▶ HYA014H | 757          |
| Speaders - 4P            | 1         | ▶ HYA015H | 1017         |
| Phase barriers - 3P / 4P | 1         | HYB019H   | 285          |
| DIN Rail Adaptor         | 1         | HYA033H   | 559          |



HXA030H

| Description              | Pack Qty. | Cat. Ref. | Unit MRP (₹) |
|--------------------------|-----------|-----------|--------------|
| <b>X250 Frame MCCB</b>   |           |           |              |
| Auxiliary Contact        | 1         | ▶ HXA021H | 1547         |
| Alarm Contact            | 1         | ▶ HXA024H | 1577         |
| Shunt 24V DC             | 1         | HXA001H   | 3255         |
| Shunt 230V AC            | 1         | ▶ HXA004H | 3255         |
| UnderVoltage - 24V DC    | 1         | HXA011H   | 3923         |
| UnderVoltage - 240V AC   | 1         | ▶ HXA014H | 3923         |
| UnderVoltage - 415V AC   | 1         | HXA015H   | 3923         |
| Direct Rotary Handle     | 1         | HXB030H   | 2074         |
| Extended Rotary Handle   | 1         | ▶ HXB031H | 3090         |
| Motor Operator 240VAC    | 1         | HXB042H   | 31857        |
| Spreaders - 3P           | 1         | ▶ HYB011H | 867          |
| Speaders - 4P            | 1         | ▶ HYB012H | 1180         |
| Phase barriers - 3P / 4P | 1         | HYB019H   | 285          |
| Mechanical Interlock     | 1         | HXB065H   | 19742        |



HXC021H

| Description             | Pack Qty. | Cat. Ref. | Unit MRP (₹) |
|-------------------------|-----------|-----------|--------------|
| <b>H1000 Frame MCCB</b> |           |           |              |
| Auxiliary Contact       | 1         | HXC021H   | 1678         |
| Alarm Contact           | 1         | HXC024H   | 1678         |
| Shunt 24V DC            | 1         | HXC001H   | 3890         |
| Shunt 230V AC           | 1         | HXC004H   | 3890         |
| UnderVoltage - 24V DC   | 1         | HXE011H   | 3422         |
| UnderVoltage - 240V AC  | 1         | HXE014H   | 3422         |
| UnderVoltage - 415V AC  | 1         | HXE015H   | 3422         |
| Direct Rotary Handle    | 1         | HXE030H   | 4445         |
| Extended Rotary Handle  | 1         | ▶ HXE031H | 7996         |
| Motor Operator 240VAC   | 1         | HXE042H   | 51677        |
| Mechanical Interlock    | 1         | HXE065H   | 121814       |



HBA161H

| Description  | Pack Qty. | Cat. Ref. | Unit MRP (₹) |
|--|-----------|-----------|--------------|
| <b>X160 Frame MCCB Add on block</b>                                  |           |           |              |
| "Idn=300mA fixed sensitivity instantaneous tripping", 125A, 3 Pole   | 1         | HBA127H   | 22375        |
| Adjustable sensitivity till 6A, Adjustable tripping 1s, 125A, 3 Pole | 1         | HBA125H   | 25942        |
| Adjustable sensitivity till 6A, Adjustable tripping 1s, 160A, 3 Pole | 1         | HBA160H   | 27735        |
| "Idn=300 mA fixed sensitivity instantaneous tripping", 125A, 4 Pole  | 1         | HBA128H   | 23274        |
| Adjustable sensitivity till 6A, Adjustable tripping 1s, 125A, 4 Pole | 1         | HBA126H   | 26848        |
| Adjustable sensitivity till 6A, Adjustable tripping 1s, 160A, 4 Pole | 1         | HBA161H   | 28637        |

| Description  | Pack Qty. | Cat. Ref. | Unit MRP (₹) |
|--|-----------|-----------|--------------|
| <b>X250 Frame MCCB Add on block</b>                                  |           |           |              |
| Adjustable sensitivity till 6A, Adjustable tripping 1s, 250A, 4 Pole | 1         | HBB251H   | 34896        |





### Power Contactor

#### Characteristics:

- 9A to 630 A Rated Current    - 690V insulation voltage    - Wide operating coil    - 3 pole

| Model   | AC3 Rating (A) | Coil voltage | Aux     | Pack Qty. | Cat. Ref. | Unit MRP (₹) |
|---------|----------------|--------------|---------|-----------|-----------|--------------|
| HWC-09  | 9A             | 110V 50/60Hz | 1NO+1NC | 1         | EX000911C | 1050         |
|         | 9A             | 230V 50/60Hz | 1NO+1NC | 1         | EX000911D | 1050         |
|         | 9A             | 415V 50/60Hz | 1NO+1NC | 1         | EX000911E | 1050         |
| HWC-12  | 12A            | 110V 50/60Hz | 1NO+1NC | 1         | EX001211C | 1170         |
|         | 12A            | 230V 50/60Hz | 1NO+1NC | 1         | EX001211D | 1170         |
|         | 12A            | 415V 50/60Hz | 1NO+1NC | 1         | EX001211E | 1170         |
| HWC-16  | 16A            | 110V 50/60Hz | 1NO+1NC | 1         | EX001611C | 1338         |
|         | 16A            | 230V 50/60Hz | 1NO+1NC | 1         | EX001611D | 1338         |
|         | 16A            | 415V 50/60Hz | 1NO+1NC | 1         | EX001611E | 1338         |
| HWC-18  | 18A            | 110V 50/60Hz | 1NO+1NC | 1         | EX001811C | 1338         |
|         | 18A            | 230V 50/60Hz | 1NO+1NC | 1         | EX001811D | 1338         |
|         | 18A            | 415V 50/60Hz | 1NO+1NC | 1         | EX001811E | 1338         |
| HWC-22  | 22A            | 110V 50/60Hz | 1NO+1NC | 1         | EX002211C | 1912         |
|         | 22A            | 230V 50/60Hz | 1NO+1NC | 1         | EX002211D | 1912         |
|         | 22A            | 415V 50/60Hz | 1NO+1NC | 1         | EX002211E | 1912         |
| HWC-25  | 25A            | 110V 50/60Hz | 1NO+1NC | 1         | EX002511C | 1912         |
|         | 25A            | 230V 50/60Hz | 1NO+1NC | 1         | EX002511D | 1912         |
|         | 25A            | 415V 50/60Hz | 1NO+1NC | 1         | EX002511E | 1912         |
| HWC-32  | 32A            | 110V 50/60Hz | 1NO+1NC | 1         | EX003211C | 3825         |
|         | 32A            | 230V 50/60Hz | 1NO+1NC | 1         | EX003211D | 3825         |
|         | 32A            | 415V 50/60Hz | 1NO+1NC | 1         | EX003211E | 3825         |
| HWC-40  | 40A            | 110V 50/60Hz | 1NO+1NC | 1         | EX004011C | 6024         |
|         | 40A            | 230V 50/60Hz | 1NO+1NC | 1         | EX004011D | 6024         |
|         | 40A            | 415V 50/60Hz | 1NO+1NC | 1         | EX004011E | 6024         |
| HWC-50  | 50A            | 110V 50/60Hz | 1NO+1NC | 1         | EX005011C | 7477         |
|         | 50A            | 230V 50/60Hz | 1NO+1NC | 1         | EX005011D | 7477         |
|         | 50A            | 415V 50/60Hz | 1NO+1NC | 1         | EX005011E | 7477         |
| HWC-65  | 65A            | 110V 50/60Hz | 1NO+1NC | 1         | EX006511C | 10131        |
|         | 65A            | 230V 50/60Hz | 1NO+1NC | 1         | EX006511D | 10131        |
|         | 65A            | 415V 50/60Hz | 1NO+1NC | 1         | EX006511E | 10131        |
| HWC-75  | 75A            | 110V 50/60Hz | 1NO+1NC | 1         | EX007511C | 13146        |
|         | 75A            | 230V 50/60Hz | 1NO+1NC | 1         | EX007511D | 13146        |
|         | 75A            | 415V 50/60Hz | 1NO+1NC | 1         | EX007511E | 13146        |
| HWC-85  | 85A            | 110V 50/60Hz | 1NO+1NC | 1         | EX008511C | 13146        |
|         | 85A            | 230V 50/60Hz | 1NO+1NC | 1         | EX008511D | 13146        |
|         | 85A            | 415V 50/60Hz | 1NO+1NC | 1         | EX008511E | 13146        |
| HWC-100 | 100A           | 110V 50/60Hz | 1NO+1NC | 1         | EX010011C | 16407        |
|         | 100A           | 230V 50/60Hz | 1NO+1NC | 1         | EX010011D | 16407        |
|         | 100A           | 415V 50/60Hz | 1NO+1NC | 1         | EX010011E | 16407        |
| HWC-160 | 160A           | 110V 50/60Hz | 2NO+2NC | 1         | EX016022C | 25331        |
|         | 160A           | 230V 50/60Hz | 2NO+2NC | 1         | EX016022D | 25331        |
|         | 160A           | 415V 50/60Hz | 2NO+2NC | 1         | EX016022E | 25331        |
| HWC-185 | 185A           | 110V 50/60Hz | 2NO+2NC | 1         | EX018522C | 27018        |
|         | 185A           | 230V 50/60Hz | 2NO+2NC | 1         | EX018522D | 27018        |
|         | 185A           | 415V 50/60Hz | 2NO+2NC | 1         | EX018522E | 27018        |
| HWC-225 | 225A           | 110V 50/60Hz | 2NO+2NC | 1         | EX022522C | 29338        |
|         | 225A           | 230V 50/60Hz | 2NO+2NC | 1         | EX022522D | 29338        |
|         | 225A           | 415V 50/60Hz | 2NO+2NC | 1         | EX022522E | 29338        |
| HWC-265 | 265A           | 110V AC/DC   | 2NO+2NC | 1         | EX026522C | 37625        |
|         | 265A           | 230V AC/DC   | 2NO+2NC | 1         | EX026522G | 37625        |
|         | 265A           | 415V AC/DC   | 2NO+2NC | 1         | EX026522H | 37625        |
| HWC-330 | 330A           | 110V AC/DC   | 2NO+2NC | 1         | EX033022F | 49078        |
|         | 330A           | 230V AC/DC   | 2NO+2NC | 1         | EX033022G | 49078        |
|         | 330A           | 415V AC/DC   | 2NO+2NC | 1         | EX033022H | 49078        |
| HWC-400 | 400A           | 110V AC/DC   | 2NO+2NC | 1         | EX040022F | 62392        |
|         | 400A           | 230V AC/DC   | 2NO+2NC | 1         | EX040022G | 62392        |
|         | 400A           | 415V AC/DC   | 2NO+2NC | 1         | EX040022H | 62392        |
| HWC-630 | 630A           | 110V AC/DC   | 2NO+2NC | 1         | EX063022F | 87879        |
|         | 630A           | 230V AC/DC   | 2NO+2NC | 1         | EX063022G | 87879        |
|         | 630A           | 415V AC/DC   | 2NO+2NC | 1         | EX063022H | 87879        |





### OLR (OverLoad Relay)

#### Characteristics:

- Phase loss protection
- Auto and Manual reset
- Three Phase bimetal for overload protection
- Applicable for 3P HWC Contactor Range

| Model   | Overload Protection Range | Pack Qty. | Cat. Ref.         | Unit MRP (₹) |
|---------|---------------------------|-----------|-------------------|--------------|
| HWR-25  | 1.6-2.5A                  | 1         | <b>EXB00025B</b>  | 1782         |
|         | 2.5-4A                    | 1         | <b>EXB00004B</b>  | 1782         |
|         | 4-6A                      | 1         | <b>EXB00006B</b>  | 1782         |
|         | 5.5-8A                    | 1         | <b>EXB00008B</b>  | 1782         |
|         | 7-10A                     | 1         | <b>EXB00010B</b>  | 1782         |
|         | 9-13A                     | 1         | <b>EXB00013B</b>  | 1782         |
|         | 12-18A                    | 1         | <b>EXB00018B</b>  | 1782         |
|         | 17-25A                    | 1         | <b>EXB000025B</b> | 1782         |
| HWR-38  | 23A-32A                   | 1         | <b>EXB00032C</b>  | 3098         |
|         | 30A-38A                   | 1         | <b>EXB00038C</b>  | 3098         |
|         | 23A-32A                   | 1         | <b>EXB000032C</b> | 5450         |
| HWR-100 | 30A-40A                   | 1         | <b>EXB00040C</b>  | 5450         |
|         | 37A-50A                   | 1         | <b>EXB00050C</b>  | 5450         |
|         | 48A-65A                   | 1         | <b>EXB00065C</b>  | 5450         |
|         | 55A-70A                   | 1         | <b>EXB00070C</b>  | 5450         |
|         | 63A-80A                   | 1         | <b>EXB00080C</b>  | 5450         |
| HWR-200 | 80A-100A                  | 1         | <b>EXB00100C</b>  | 5450         |
|         | 100A-200A                 | 1         | <b>EXB00200E</b>  | 18549        |
|         | 125A-250A                 | 1         | <b>EXB00250F</b>  | 22206        |
| HWR-630 | 200A-400A                 | 1         | <b>EXB00400F</b>  | 22206        |
|         | 315A-630A                 | 1         | <b>EXB00630F</b>  | 22206        |

### Accessories for Power Contactor

| Description                                  | Pack Qty. | Cat. Ref.     | Unit MRP (₹) |
|--|-----------|---------------|--------------|
| Aux Contact 2NO Top Mounted                  | 10        | <b>EXA000</b> | 418          |
| Aux Contact 1NO+1NC Top Mounted              | 10        | <b>EXA001</b> | 418          |
| Aux Contact 2NC Top Mounted                  | 10        | <b>EXA002</b> | 418          |
| Aux Contact 4NO Top Mounted                  | 10        | <b>EXA003</b> | 794          |
| Aux Contact 3NO+1NC Top Mounted              | 10        | <b>EXA004</b> | 794          |
| Aux Contact 2NO+2NC Top Mounted              | 10        | <b>EXA005</b> | 794          |
| Aux Contact 1NO+3NC Top Mounted              | 10        | <b>EXA006</b> | 794          |
| Aux Contact 1NC Top Mounted                  | 10        | <b>EXA007</b> | 794          |
| Aux Contact 1NO+1NC Side Mounted HWC-06~225  | 10        | <b>EXA111</b> | 826          |
| Aux Contact 1NO+1NC Side Mounted HWC-265~630 | 10        | <b>EXA112</b> | 826          |
| HWC-09-22 coil 110V 50/60Hz                  | 5         | <b>EXA201</b> | 784          |
| HWC-09-22 coil 230V 50/60Hz                  | 5         | <b>EXA202</b> | 784          |
| HWC-09-22 coil 415V 50/60Hz                  | 5         | <b>EXA203</b> | 784          |
| HWC-25-32 coil 110V 50/60Hz                  | 7         | <b>EXA211</b> | 815          |
| HWC-25-32 coil 230V 50/60Hz                  | 7         | <b>EXA212</b> | 815          |
| HWC-25-32 coil 415V 50/60Hz                  | 7         | <b>EXA213</b> | 815          |
| HWC-40-65 coil 110V 50/60Hz                  | 2         | <b>EXA221</b> | 1150         |
| HWC-40-65 coil 230V 50/60Hz                  | 2         | <b>EXA222</b> | 1150         |
| HWC-40-65 coil 415V 50/60Hz                  | 2         | <b>EXA223</b> | 1150         |
| HWC-75-100 coil 110V 50/60Hz                 | 2         | <b>EXA231</b> | 1463         |
| HWC-75-100 coil 230V 50/60Hz                 | 2         | <b>EXA232</b> | 1463         |
| HWC-75-100 coil 415V 50/60Hz                 | 2         | <b>EXA233</b> | 1463         |



### MPCB (Motor Protection Circuit Breaker)

#### Characteristics:

- 10A Trip Class (10 for Fr-80)
- Class III pollution degree
- Available in 3P version

| Frame | Rated Current (A) | Overload Protection Range | Breaking Capacity Icu | Pack Qty. | Cat. Ref.       | Unit MRP (₹)    |
|-------|-------------------|---------------------------|-----------------------|-----------|-----------------|-----------------|
| Fr-25 | 0.16              | 0.1-0.16A                 | 100                   | 1         | <b>MMB50100</b> | 3125            |
|       | 0.25              | 0.16-0.25A                | 100                   | 1         | <b>MMB50200</b> | 3125            |
|       | 0.4               | 0.25-0.4A                 | 100                   | 1         | <b>MMB50300</b> | 3125            |
|       | 0.63              | 0.4-0.63A                 | 100                   | 1         | <b>MMB50400</b> | 3125            |
|       | 1                 | 0.63-1A                   | 100                   | 1         | <b>MMB50500</b> | 3125            |
|       | 1.6               | 1-1.6A                    | 100                   | 1         | <b>MMB50600</b> | 3125            |
|       | 2.5               | 1.6-2.5A                  | 100                   | 1         | <b>MMB50700</b> | 3125            |
|       | 4                 | 2.5-4A                    | 100                   | 1         | <b>MMB50800</b> | 3125            |
|       | 6.3               | 4-6.3A                    | 100                   | 1         | <b>MMB50900</b> | 3125            |
|       | 10                | 6-10A                     | 100                   | 1         | <b>MMB51000</b> | 3125            |
|       | 14                | 9-14A                     | 100                   | 1         | <b>MMB51100</b> | 3125            |
|       | 18                | 13-18A                    | 100                   | 1         | <b>MMB51200</b> | 3125            |
|       | 23                | 17-23A                    | 100                   | 1         | <b>MMB51300</b> | 3125            |
|       | 25                | 20-25A                    | 100                   | 1         | <b>MMB51400</b> | 3125            |
|       | Fr-80             | 32                        | 23-32A                | 50        | 1               | <b>MMB51600</b> |
| 40    |                   | 30-40A                    | 50                    | 1         | <b>MMB51500</b> | 13726           |
| 65    |                   | 48-65A                    | 50                    | 1         | <b>MMB51700</b> | 13726           |
| 80    |                   | 63-80A                    | 50                    | 1         | <b>MMB51800</b> | 13726           |

### Accessories for MPCB

| Description  | Pack Qty. | Cat. Ref.    | Unit MRP (₹) |
|--|-----------|--------------|--------------|
| Fr-25 Alarm contact side mounted (1NC for fault alarm+1NO for Aux) | 3         | <b>MMA01</b> | 1000         |
| Fr-25 & Fr-80 MPCB Aux contact top mounted (1NO+1NC)               | 20        | <b>MMA02</b> | 1000         |
| Fr-25 & Fr-80 MPCB Aux contact side mounted (1NO+1NC)              | 4         | <b>MMA03</b> | 1000         |
| Fr-25 & Fr-80 MPCB Aux contact side mounted (2NO)                  | 4         | <b>MMA04</b> | 1000         |



HI451I

**Manual changeover switches**

**Characteristics:**

- Comply with EN 60 947-3
- Manual changeover switches,
- Rating 63 to 100A
- Allows manual switch,
- changeover switch or on load
- power circuit permutation
- Connection with terminals
- For safety breaking:
- 4P
- mounting on perforated plates or crossbars
- lockable on position: I, O or II

**Changeover switches**

| Description | Pack Qty. | Cat. Ref. | Unit MRP (₹) |
|-------------|-----------|-----------|--------------|
| 63A         | 1         | ▶ HI403I  | 6810         |
| 100A        | 1         | ▶ HI405I  | 9949         |
| 125A        | 1         | ▶ HI451I  | 15137        |
| 160A        | 1         | ▶ HI452I  | 16616        |
| 250A        | 1         | ▶ HI454I  | 27807        |
| 400A        | 1         | ▶ HI456I  | 41214        |
| 630A        | 1         | ▶ HI458I  | 50671        |
| 800A        | 1         | HI460I    | 81845        |
| 1250A       | 1         | HI462I    | 174574       |
| 1600A       | 1         | HI464I    | 334724       |

\* includes bridging bars & external handle

| Description                                  | Pack Qty. | Cat. Ref. | Unit MRP (₹) |
|--|-----------|-----------|--------------|
| <b>External handle</b>                       |           |           |              |
| for HI 125 to 630A                           | 1         | HZI002I   | 1265         |
| for HI 800 to 1600A                          | 1         | HZI003I   | 2817         |
| <b>Shaft extension</b>                       |           |           |              |
| for HI 125 to 630A, 200mm                    | 1         | HZC101I   | 524          |
| for HI 125 to 630A, 320mm                    | 1         | HZC102I   | 666          |
| for HI 800 to 1600A, 200mm                   | 1         | HZC105I   | 1633         |
| for HI 800 to 1600A, 320mm                   | 1         | HZC106I   | 1925         |
| <b>Terminal shrouds</b>                      |           |           |              |
| for HI 125 to 200A                           | 1         | HZC202I   | 912          |
| <b>Top and bottom (2 pieces / packaging)</b> |           |           |              |
| for HI 200 to 400A                           | 1         | HZC204I   | 2008         |
| for HI 400 to 630A                           | 1         | HZC206I   | 2375         |
| <b>Auxiliaries contacts</b>                  |           |           |              |
| for HI 125 to 1600A, 1NO + 1NC               | 1         | HZ160I    | 899          |
| <b>Terminal shield</b>                       |           |           |              |
| for HI460I                                   | 1         | HZ163MI   | #            |
| <b>Top and bottom</b>                        |           |           |              |
| for HI462I and HI464I                        | 1         | HZ164MI   | #            |

# - Prices available upon request

**MCOS enclosures**

**Characteristics:**

- Rating: 63 – 1600A
- Changeover: 4P type
- Door: Hinged type single door
- Mounting: Surface type
- Preassembled with Manual COS
- Padlocking facility
- Removable gland plate
- Gasket protection



HZC101I



HZC204I



VYE63M

| Description                   | Pack Qty. | Rating | Cat. Ref. | Unit MRP (₹) |
|-------------------------------|-----------|--------|-----------|--------------|
| 63A FP MCOS Hinged Door Box   | 1         | 63A    | ▶ VYE63M  | 8328         |
| 100A FP MCOS Hinged Door Box  | 1         | 100A   | ▶ VYE100M | 11074        |
| 125A FP MCOS Hinged Door Box  | 1         | 125A   | ▶ VYE125M | 15762        |
| 160A FP MCOS Hinged Door Box  | 1         | 160A   | ▶ VYE160M | 17271        |
| 250A FP MCOS Hinged Door Box  | 1         | 250A   | ▶ VYE250M | 27748        |
| 400A FP MCOS Hinged Door Box  | 1         | 400A   | VYE400M   | 42448        |
| 630A FP MCOS Hinged Door Box  | 1         | 630A   | VYE630M   | 49208        |
| 800A FP MCOS Hinged Door Box  | 1         | 800A   | VYE800M   | 81041        |
| 1250A FP MCOS Hinged Door Box | 1         | 1250A  | VYE1250M  | 178813       |



HIB412I

### Automatic transfer switches

#### Characteristics:

- Motorized changeover switches
- Rating 125 to 1600A
- Allows automated switch, changeover switch or on load power circuit permutation
- For safety breaking
- 4P version
- Padlocking in OFF position
- Mounting on plain or perforated plate
- Controller HZI815I controls HIB switches
- Comply with NF EN 60 947-3

#### Motorized changeover switches (In)

| Description | Pack Qty. | Cat. Ref.        | Unit MRP (₹) |
|-------------|-----------|------------------|--------------|
| 125A        | 1         | ▶ <b>HIB412I</b> | 65122        |
| 160A        | 1         | ▶ <b>HIB416I</b> | 75186        |
| 250A        | 1         | ▶ <b>HIB425I</b> | 93879        |
| 400A        | 1         | ▶ <b>HIB440I</b> | 115562       |
| 630A        | 1         | <b>HIB463I</b>   | 151634       |
| 800A        | 1         | <b>HIB480I</b>   | 214925       |
| 1000A       | 1         | <b>HIB490I</b>   | 226033       |
| 1250A       | 1         | <b>HIB491I</b>   | 376765       |
| 1600A       | 1         | <b>HIB492I</b>   | 351005       |

\* includes bridging bars & external handle  
 \* controller to be ordered separately

#### Automatic Transfer Relays

| Description | Pack Qty. | Cat. Ref.        | Unit MRP (₹) |
|-------------|-----------|------------------|--------------|
| Controller  | 1         | ▶ <b>HZI815I</b> | 26459        |

#### Terminal shrouds top and bottom (2 pieces / packaging)

| Description               | Pack Qty. | Cat. Ref.      | Unit MRP (₹) |
|---------------------------|-----------|----------------|--------------|
| for switches 125 to 160A  | 1         | <b>HZC202I</b> | 912          |
| for switches 200 to 400A  | 1         | <b>HZC204I</b> | 2008         |
| for switches 400A to 630A | 1         | <b>HZC206I</b> | 2375         |

#### Terminal covers

| Description               | Pack Qty. | Cat. Ref.      | Unit MRP (₹) |
|---------------------------|-----------|----------------|--------------|
| for switches 125 to 160A  | 1         | <b>HZI201I</b> | 666          |
| for switches 250 to 400A  | 1         | <b>HZI202I</b> | 899          |
| for switches 630A         | 1         | <b>HZI203I</b> | 1035         |
| for switches 800 to 1250A | 1         | <b>HZI204I</b> | 1191         |
| for switches 1600A        | 1         | <b>HZI205I</b> | 1633         |

**HZI815I must be ordered along with Motorized changeover for Auto transfer switch to function**

**# - Prices available upon request**



EKS306B

### SPN - Automatic changeover and current limiter

**Characteristics:**

- IEC 60947 - 3, IEC 60947 - 6
- SPN Modular
- Voltage: 150VAC to 300VAC
- 6000 Operations

- Blinking LED for overload and permanent
- LED for overload Trip
- Different LED colors for clear differentiation between functions

| Description   | Pack Qty. | Cat. Ref. | Unit MRP (₹) |
|---|-----------|-----------|--------------|
| Mains 30A, Genset 1.5A                              | 1         | ▶ EKS301B | 2556         |
| Mains 30A, Genset 2.5A                              | 1         | ▶ EKS302B | 2556         |
| Mains 30A, Genset 3A                                | 1         | ▶ EKS303B | 2556         |
| Mains 30A, Genset 4A                                | 1         | EKS304B   | 2556         |
| Mains 30A, Genset 5A                                | 1         | ▶ EKS305B | 2556         |
| Mains 30A, Genset 6A                                | 1         | ▶ EKS306B | 2556         |
| Mains 30A, Genset 9A                                | 1         | ▶ EKS309B | 2556         |
| Mains 30A, Genset 12A                               | 1         | EKS312B   | 2556         |
| Mains 30A, Genset 15A                               | 1         | EKS315B   | 2556         |
| Mains 30A, Genset 20A                               | 1         | ▶ EKS320B | 2556         |
| Mains 30A, Genset 30A<br>(without current limiting) | 1         | ▶ EKS330B | 2556         |



EKT406SG

### TPN - Automatic Changeover and Current Limiter

**Characteristics:**

- IEC 60947 - 6
- TPN / TPN & TPN / SPN
- Voltage: 150VAC to 300VAC

- 10000 Operations
- Genset Start / Stop as standard

#### TPN / SPN

| Description           | Pack Qty. | Cat. Ref. | Unit MRP (₹) |
|-----------------------|-----------|-----------|--------------|
| Mains 40A, Genset 6A  | 1         | EKT406SG  | 13186        |
| Mains 40A, Genset 10A | 1         | EKT410SG  | 13186        |
| Mains 40A, Genset 16A | 1         | EKT416SG  | 13186        |
| Mains 40A, Genset 20A | 1         | EKT420SG  | 13186        |
| Mains 40A, Genset 25A | 1         | EKT425SG  | 13186        |
| Mains 40A, Genset 30A | 1         | EKT430SG  | 13186        |
| Mains 63A, Genset 6A  | 1         | EKT606SG  | 19462        |
| Mains 63A, Genset 10A | 1         | EKT610SG  | 19462        |
| Mains 63A, Genset 16A | 1         | EKT616SG  | 19462        |
| Mains 63A, Genset 20A | 1         | EKT620SG  | 19462        |
| Mains 63A, Genset 25A | 1         | EKT625SG  | 19462        |
| Mains 63A, Genset 30A | 1         | EKT630SG  | 19462        |
| Mains 63A, Genset 40A | 1         | EKT640SG  | 19462        |

#### TPN / TPN

| Description           | Pack Qty. | Cat. Ref. | Unit MRP (₹) |
|-----------------------|-----------|-----------|--------------|
| Mains 40A, Genset 6A  | 1         | EKT406TG  | 13812        |
| Mains 40A, Genset 10A | 1         | EKT410TG  | 13812        |
| Mains 40A, Genset 16A | 1         | EKT416TG  | 13812        |
| Mains 40A, Genset 20A | 1         | EKT420TG  | 13812        |
| Mains 40A, Genset 25A | 1         | EKT425TG  | 13812        |
| Mains 40A, Genset 30A | 1         | EKT430TG  | 13812        |
| Mains 63A, Genset 6A  | 1         | EKT606TG  | 20089        |
| Mains 63A, Genset 10A | 1         | EKT610TG  | 20089        |
| Mains 63A, Genset 16A | 1         | EKT616TG  | 20089        |
| Mains 63A, Genset 20A | 1         | EKT620TG  | 20089        |
| Mains 63A, Genset 25A | 1         | EKT625TG  | 20089        |
| Mains 63A, Genset 30A | 1         | EKT630TG  | 20089        |
| Mains 63A, Genset 40A | 1         | EKT640TG  | 20089        |

#### TPN / TPN

(without current limiting)

| Description           | Pack Qty. | Cat. Ref.  | Unit MRP (₹) |
|-----------------------|-----------|------------|--------------|
| Mains 40A, Genset 40A | 1         | ▶ EKT440TG | 13812        |
| Mains 63A, Genset 63A | 1         | ▶ EKT663TG | 33263        |

\*80/80A and 100/100A ACCL also available upon request



NCN106N



NCN206N



NCN306N



NCN406N

### Miniature circuit breakers - type NBN---N, NCN---N

#### Characteristics:

- Conforms to IS/IEC 60898 - 1:2002, IEC 60898 - 1995
- Curve B & C
- 2P Suitable for 1P+N application; 4P Suitable for TP+N application
- 10 kA as per IEC 60898
- ISI Marked

| Description  | Pack Qty. | Cat. Ref. Curve B | Unit MRP (₹) | Cat. Ref. Curve C | Unit MRP (₹) |
|--|-----------|-------------------|--------------|-------------------|--------------|
| <b>Single Pole</b>                                 |           |                   |              |                   |              |
| 0.5A, 1 module                                     | 12        | -                 | -            | <b>NCN100N</b>    | 611          |
| 1A, 1 module                                       | 12        | -                 | -            | <b>NCN101N</b>    | 611          |
| 2A, 1 module                                       | 12        | -                 | -            | ▶ <b>NCN102N</b>  | 611          |
| 3A, 1 module                                       | 12        | -                 | -            | ▶ <b>NCN103N</b>  | 611          |
| 4A, 1 module                                       | 12        | -                 | -            | ▶ <b>NCN104N</b>  | 611          |
| 6A, 1 module                                       | 12        | ▶ <b>NBN106N</b>  | 394          | ▶ <b>NCN106N</b>  | 377          |
| 10A, 1 module                                      | 12        | ▶ <b>NBN110N</b>  | 394          | ▶ <b>NCN110N</b>  | 377          |
| 16A, 1 module                                      | 12        | <b>NBN116N</b>    | 394          | ▶ <b>NCN116N</b>  | 377          |
| 20A, 1 module                                      | 12        | ▶ <b>NBN120N</b>  | 394          | ▶ <b>NCN120N</b>  | 377          |
| 25A, 1 module                                      | 12        | <b>NBN125N</b>    | 394          | ▶ <b>NCN125N</b>  | 377          |
| 32A, 1 module                                      | 12        | <b>NBN132N</b>    | 394          | ▶ <b>NCN132N</b>  | 377          |
| 40A, 1 module                                      | 12        | <b>NBN140N</b>    | 853          | ▶ <b>NCN140N</b>  | 867          |
| 50A, 1 module                                      | 12        | <b>NBN150N</b>    | 853          | ▶ <b>NCN150N</b>  | 867          |
| 63A, 1 module                                      | 12        | <b>NBN163N</b>    | 853          | ▶ <b>NCN163N</b>  | 867          |
| <b>Double Pole (Suitable for 1P+N application)</b> |           |                   |              |                   |              |
| 0.5A, 2 module                                     | 6         | -                 | -            | <b>NCN200N</b>    | 1708         |
| 1A, 2 module                                       | 6         | -                 | -            | <b>NCN201N</b>    | 1708         |
| 2A, 2 module                                       | 6         | -                 | -            | ▶ <b>NCN202N</b>  | 1708         |
| 3A, 2 module                                       | 6         | -                 | -            | <b>NCN203N</b>    | 1708         |
| 4A, 2 module                                       | 6         | -                 | -            | ▶ <b>NCN204N</b>  | 1708         |
| 6A, 2 module                                       | 6         | <b>NBN206N</b>    | 1191         | ▶ <b>NCN206N</b>  | 1261         |
| 10A, 2 module                                      | 6         | <b>NBN210N</b>    | 1191         | ▶ <b>NCN210N</b>  | 1261         |
| 16A, 2 module                                      | 6         | <b>NBN216N</b>    | 1191         | ▶ <b>NCN216N</b>  | 1261         |
| 20A, 2 module                                      | 6         | <b>NBN220N</b>    | 1191         | ▶ <b>NCN220N</b>  | 1261         |
| 25A, 2 module                                      | 6         | <b>NBN225N</b>    | 1191         | ▶ <b>NCN225N</b>  | 1261         |
| 32A, 2 module                                      | 6         | ▶ <b>NBN232N</b>  | 1191         | ▶ <b>NCN232N</b>  | 1261         |
| 40A, 2 module                                      | 6         | <b>NBN240N</b>    | 1911         | ▶ <b>NCN240N</b>  | 1993         |
| 50A, 2 module                                      | 6         | <b>NBN250N</b>    | 1911         | ▶ <b>NCN250N</b>  | 1993         |
| 63A, 2 module                                      | 6         | <b>NBN263N</b>    | 1911         | ▶ <b>NCN263N</b>  | 1993         |
| <b>Triple Pole</b>                                 |           |                   |              |                   |              |
| 0.5A, 3 modules                                    | 4         | -                 | -            | <b>NCN300N</b>    | 2520         |
| 1A, 3 modules                                      | 4         | -                 | -            | <b>NCN301N</b>    | 2520         |
| 2A, 3 modules                                      | 4         | -                 | -            | ▶ <b>NCN302N</b>  | 2520         |
| 3A, 3 modules                                      | 4         | -                 | -            | <b>NCN303N</b>    | 2520         |
| 4A, 3 modules                                      | 4         | -                 | -            | <b>NCN304N</b>    | 2520         |
| 6A, 3 modules                                      | 4         | <b>NBN306N</b>    | 2026         | ▶ <b>NCN306N</b>  | 2022         |
| 10A, 3 modules                                     | 4         | <b>NBN310N</b>    | 2026         | ▶ <b>NCN310N</b>  | 2022         |
| 16A, 3 modules                                     | 4         | <b>NBN316N</b>    | 2026         | ▶ <b>NCN316N</b>  | 2022         |
| 20A, 3 modules                                     | 4         | <b>NBN320N</b>    | 2026         | ▶ <b>NCN320N</b>  | 2022         |
| 25A, 3 modules                                     | 4         | <b>NBN325N</b>    | 2026         | ▶ <b>NCN325N</b>  | 2022         |
| 32A, 3 modules                                     | 4         | <b>NBN332N</b>    | 2026         | ▶ <b>NCN332N</b>  | 2022         |
| 40A, 3 modules                                     | 4         | <b>NBN340N</b>    | 3060         | ▶ <b>NCN340N</b>  | 3068         |
| 50A, 3 modules                                     | 4         | <b>NBN350N</b>    | 3060         | ▶ <b>NCN350N</b>  | 3068         |
| 63A, 3 modules                                     | 4         | <b>NBN363N</b>    | 3060         | ▶ <b>NCN363N</b>  | 3068         |
| <b>Four Pole (Suitable for 3P+N application)</b>   |           |                   |              |                   |              |
| 0.5A, 4 modules                                    | 3         | -                 | -            | <b>NCN400N</b>    | 3138         |
| 1A, 4 modules                                      | 3         | -                 | -            | <b>NCN401N</b>    | 3138         |
| 2A, 4 modules                                      | 3         | -                 | -            | <b>NCN402N</b>    | 3138         |
| 3A, 4 modules                                      | 3         | -                 | -            | <b>NCN403N</b>    | 3138         |
| 4A, 4 modules                                      | 3         | -                 | -            | <b>NCN404N</b>    | 3138         |
| 6A, 4 modules                                      | 3         | <b>NBN406N</b>    | 2604         | ▶ <b>NCN406N</b>  | 2741         |
| 10A, 4 modules                                     | 3         | <b>NBN410N</b>    | 2604         | ▶ <b>NCN410N</b>  | 2741         |
| 16A, 4 modules                                     | 3         | <b>NBN416N</b>    | 2604         | ▶ <b>NCN416N</b>  | 2741         |
| 20A, 4 modules                                     | 3         | <b>NBN420N</b>    | 2604         | ▶ <b>NCN420N</b>  | 2741         |
| 25A, 4 modules                                     | 3         | <b>NBN425N</b>    | 2604         | ▶ <b>NCN425N</b>  | 2741         |
| 32A, 4 modules                                     | 3         | <b>NBN432N</b>    | 2604         | ▶ <b>NCN432N</b>  | 2741         |
| 40A, 4 modules                                     | 3         | <b>NBN440N</b>    | 3756         | ▶ <b>NCN440N</b>  | 3907         |
| 50A, 4 modules                                     | 3         | <b>NBN450N</b>    | 3756         | <b>NCN450N</b>    | 3907         |
| 63A, 4 modules                                     | 3         | <b>NBN463N</b>    | 3756         | ▶ <b>NCN463N</b>  | 3907         |



NDN106N



NDN206N



NDN306N



NDN406N

**Miniature circuit breakers - type NDN---N**

**Characteristics:**

- Conforms to IS/IEC 60898 - 1:2002, IEC 60898 - 1995
- Curve D
- 10 kA as per IEC 60898
- ISI Marked

| Description  | Pack Qty. | Cat. Ref.<br>Curve D | Unit MRP (₹) |
|--|-----------|----------------------|--------------|
| <b>Single Pole</b>                                 |           |                      |              |
| 0.5A, 1 module                                     | 12        | NDN100N              | 616          |
| 1A, 1 module                                       | 12        | NDN101N              | 616          |
| 2A, 1 module                                       | 12        | NDN102N              | 616          |
| 3A, 1 module                                       | 12        | NDN103N              | 616          |
| 4A, 1 module                                       | 12        | NDN104N              | 616          |
| 6A, 1 module                                       | 12        | ▶ NDN106N            | 535          |
| 10A, 1 module                                      | 12        | ▶ NDN110N            | 535          |
| 16A, 1 module                                      | 12        | ▶ NDN116N            | 535          |
| 20A, 1 module                                      | 12        | ▶ NDN120N            | 535          |
| 25A, 1 module                                      | 12        | ▶ NDN125N            | 535          |
| 32A, 1 module                                      | 12        | ▶ NDN132N            | 535          |
| 40A, 1 module                                      | 12        | NDN140N              | 953          |
| 50A, 1 module                                      | 12        | NDN150N              | 953          |
| 63A, 1 module                                      | 12        | NDN163N              | 953          |
| <b>Double Pole (Suitable for 1P+N application)</b> |           |                      |              |
| 0.5A, 2 modules                                    | 6         | NDN200N              | 1737         |
| 1A, 2 modules                                      | 6         | NDN201N              | 1737         |
| 2A, 2 modules                                      | 6         | NDN202N              | 1737         |
| 3A, 2 modules                                      | 6         | NDN203N              | 1737         |
| 4A, 2 modules                                      | 6         | NDN204N              | 1737         |
| 6A, 2 modules                                      | 6         | ▶ NDN206N            | 1291         |
| 10A, 2 modules                                     | 6         | NDN210N              | 1291         |
| 16A, 2 modules                                     | 6         | ▶ NDN216N            | 1291         |
| 20A, 2 modules                                     | 6         | ▶ NDN220N            | 1291         |
| 25A, 2 modules                                     | 6         | ▶ NDN225N            | 1291         |
| 32A, 2 modules                                     | 6         | ▶ NDN232N            | 1291         |
| 40A, 2 modules                                     | 6         | ▶ NDN240N            | 2122         |
| 50A, 2 modules                                     | 6         | NDN250N              | 2122         |
| 63A, 2 modules                                     | 6         | ▶ NDN263N            | 2122         |
| <b>Triple Pole</b>                                 |           |                      |              |
| 0.5A, 3 modules                                    | 4         | NDN300N              | 2596         |
| 1A, 3 modules                                      | 4         | NDN301N              | 2596         |
| 2A, 3 modules                                      | 4         | NDN302N              | 2596         |
| 3A, 3 modules                                      | 4         | NDN303N              | 2596         |
| 4A, 3 modules                                      | 4         | NDN304N              | 2596         |
| 6A, 3 modules                                      | 4         | NDN306N              | 2091         |
| 10A, 3 modules                                     | 4         | NDN310N              | 2091         |
| 16A, 3 modules                                     | 4         | NDN316N              | 2091         |
| 20A, 3 modules                                     | 4         | NDN320N              | 2091         |
| 25A, 3 modules                                     | 4         | NDN325N              | 2091         |
| 32A, 3 modules                                     | 4         | ▶ NDN332N            | 2091         |
| 40A, 3 modules                                     | 4         | ▶ NDN340N            | 3202         |
| 50A, 3 modules                                     | 4         | NDN350N              | 3202         |
| 63A, 3 modules                                     | 4         | ▶ NDN363N            | 3202         |
| <b>Four Pole (Suitable for 3P+N application)</b>   |           |                      |              |
| 0.5A, 4 modules                                    | 3         | NDN400N              | 3197         |
| 1A, 4 modules                                      | 3         | NDN401N              | 3197         |
| 2A, 4 modules                                      | 3         | NDN402N              | 3197         |
| 3A, 4 modules                                      | 3         | NDN403N              | 3197         |
| 4A, 4 modules                                      | 3         | NDN404N              | 3197         |
| 6A, 4 modules                                      | 3         | NDN406N              | 2780         |
| 10A, 4 modules                                     | 3         | NDN410N              | 2780         |
| 16A, 4 modules                                     | 3         | NDN416N              | 2780         |
| 20A, 4 modules                                     | 3         | NDN420N              | 2780         |
| 25A, 4 modules                                     | 3         | NDN425N              | 2780         |
| 32A, 4 modules                                     | 3         | ▶ NDN432N            | 2780         |
| 40A, 4 modules                                     | 3         | ▶ NDN440N            | 4142         |
| 50A, 4 modules                                     | 3         | NDN450N              | 4142         |
| 63A, 4 modules                                     | 3         | ▶ NDN463N            | 4142         |





HLF199S

### Miniature circuit breakers - type HLF---S

**Characteristics:**

- Conforms to IEC 60898 - 1995, IEC 60947 - II - 10 kA as per IEC 60898
- Curve C

| Description        | Pack Qty. | Cat. Ref.<br>Curve C | Unit MRP (₹) |
|--------------------|-----------|----------------------|--------------|
| <b>Single Pole</b> |           |                      |              |
| 80A, 1.5 modules   | 1         | ▶ <b>HLF180S</b>     | 3512         |
| 100A, 1.5 modules  | 1         | ▶ <b>HLF190S</b>     | 3905         |
| 125A, 1.5 modules  | 1         | ▶ <b>HLF199S</b>     | 4256         |
| <b>Double Pole</b> |           |                      |              |
| 80A, 3 modules     | 1         | <b>HLF280S</b>       | 7775         |
| 100A, 3 modules    | 1         | ▶ <b>HLF290S</b>     | 8209         |
| 125A, 3 modules    | 1         | <b>HLF299S</b>       | 8946         |
| <b>Triple Pole</b> |           |                      |              |
| 80A, 4.5 modules   | 1         | ▶ <b>HLF380S</b>     | 12230        |
| 100A, 4.5 modules  | 1         | ▶ <b>HLF390S</b>     | 12905        |
| 125A, 4.5 modules  | 1         | <b>HLF399S</b>       | 14177        |
| <b>Four Pole</b>   |           |                      |              |
| 80A, 6 modules     | 1         | ▶ <b>HLF480S</b>     | 15909        |
| 100A, 6 modules    | 1         | ▶ <b>HLF490S</b>     | 16376        |
| 125A, 6 modules    | 1         | ▶ <b>HLF499S</b>     | 18432        |



HLF499S

### Auxiliaries & accessories for MCBs, RCCBs & RCBOs



MZ215

| Description   | Pack Qty. | Cat. Ref.      | Unit MRP (₹) |
|---|-----------|----------------|--------------|
| Auxiliary contact (1NO + 1NC), 0.5 module<br>(For MCBs only)                                  | 1         | ▶ <b>MZ201</b> | 1518         |
| Trip alarm contact (1NO + 1NC), 0.5 module<br>(For MCBs only)                                 | 1         | ▶ <b>MZ202</b> | 1793         |
| Shunt trip 230V AC, 1 module  | 1         | ▶ <b>MZ203</b> | 4370         |
| Shunt trip 12-48V DC, 1 module  | 1         | <b>MZ204</b>   | 4370         |
| Undervoltage release, 230V AC, 1 module   | 1         | ▶ <b>MZ206</b> | 3757         |
| MCB Locking kit   | 2         | <b>MZN175</b>  | 867          |
| Auxiliary + alarm switch (for RCCB), 1 module   | 1         | ▶ <b>CZ001</b> | 2867         |
| Overvoltage release,<br>230V AC, U <sub>c</sub> > 280V, 1 module                              | 1         | ▶ <b>MZ209</b> | 4427         |
| Overvoltage + Low voltage release,<br>230V AC, 60V AC < U < 170V AC, U > 267V AC,<br>1 module | 1         | ▶ <b>MZ215</b> | 5946         |
| Overvoltage release,<br>230V AC, U > 275 V AC, 3 phase in 1 module<br>Suitable for 3Ph+N      | 1         | ▶ <b>MZ216</b> | 7982         |

**Use of MZ203/204/205/206/209/215/216 on RCCBs require use of interface auxiliary CZ001**



CD240Y

### RCCBs

#### Characteristics:

- Conforms to IEC 61008
- IS12640-1
- ISI Marked

- Protects a circuit automatically in the event of an earth leakage
- With earth fault indicator & positive contact indication

| Description        | Pack Qty. | Sensitivity | Cat. Ref.      | Unit MRP (₹) |
|--------------------|-----------|-------------|----------------|--------------|
| <b>Double Pole</b> |           |             |                |              |
| 16A, 2 modules     | 1         | 10 mA       | <b>CC216Y</b>  | 9908         |
| 25A, 2 modules     | 1         | 10 mA       | <b>CD225Y</b>  | 11363        |
|                    | 1         | 30 mA       | <b>CD225Y</b>  | 4200         |
|                    | 1         | 100 mA      | <b>CE225Y</b>  | 4708         |
|                    | 1         | 300 mA      | <b>CF225Y</b>  | 4727         |
| 40A, 2 modules     | 1         | 30 mA       | <b>CD240Y</b>  | 4919         |
|                    | 1         | 100 mA      | <b>CE240Y</b>  | 5309         |
|                    | 1         | 300 mA      | <b>CF240Y</b>  | 5474         |
| 63A, 2 modules     | 1         | 30 mA       | <b>CD263Y</b>  | 5939         |
|                    | 1         | 100 mA      | <b>CE263Y</b>  | 6419         |
|                    | 1         | 300 mA      | <b>CF263Y</b>  | 6466         |
| 100A, 2 modules    | 1         | 30 mA       | <b>CDC284Y</b> | 16155        |
|                    | 1         | 300 mA      | <b>CEC284Y</b> | 16155        |



CD440Y

### Four Pole

|                 |   |        |                |       |
|-----------------|---|--------|----------------|-------|
| 25A, 4 modules  | 1 | 30 mA  | <b>CD425Y</b>  | 5937  |
|                 | 1 | 100 mA | <b>CE425Y</b>  | 6178  |
|                 | 1 | 300 mA | <b>CF425Y</b>  | 6300  |
| 40A, 4 modules  | 1 | 30 mA  | <b>CD440Y</b>  | 5807  |
|                 | 1 | 100 mA | <b>CE440Y</b>  | 6220  |
|                 | 1 | 300 mA | <b>CF440Y</b>  | 6421  |
| 63A, 4 modules  | 1 | 30 mA  | <b>CD463Y</b>  | 6577  |
|                 | 1 | 100 mA | <b>CE463Y</b>  | 7412  |
|                 | 1 | 300 mA | <b>CF463Y</b>  | 7412  |
| 100A, 4 modules | 1 | 30 mA  | <b>CDC484Y</b> | 16304 |
|                 | 1 | 100 mA | <b>CEC484Y</b> | 16304 |
|                 | 1 | 300 mA | <b>CFC484Y</b> | 16562 |



CH240J

### RCCBs - type Hi (high immunity)

#### Characteristics:

- Conforms to IEC 61008 & EMC standard EN 61543
- For electrical networks with high harmonics / pulsated DC currents and transients

- With earth fault indicator & positive contact indication

| Description        | Pack Qty. | Sensitivity | Cat. Ref.     | Unit MRP (₹) |
|--------------------|-----------|-------------|---------------|--------------|
| <b>Double Pole</b> |           |             |               |              |
| 25A, 2 modules     | 1         | 30 mA       | <b>CH225J</b> | 8995         |
|                    | 1         | 300 mA      | <b>CQ225J</b> | 8665         |
| 40A, 2 modules     | 1         | 30 mA       | <b>CH240J</b> | 9366         |
|                    | 1         | 300 mA      | <b>CQ240J</b> | 8966         |
| 63A, 2 modules     | 1         | 30 mA       | <b>CH263J</b> | 9637         |
|                    | 1         | 300 mA      | <b>CQ263J</b> | 9440         |



CH440J

### Four Pole

|                |   |        |               |       |
|----------------|---|--------|---------------|-------|
| 25A, 4 modules | 1 | 30 mA  | <b>CH425J</b> | 10131 |
|                | 1 | 300 mA | <b>CQ425J</b> | 9628  |
| 40A, 4 modules | 1 | 30 mA  | <b>CH440J</b> | 10459 |
|                | 1 | 300 mA | <b>CQ440J</b> | 10032 |
| 63A, 4 modules | 1 | 30 mA  | <b>CH463J</b> | 10640 |
|                | 1 | 300 mA | <b>CQ463J</b> | 10346 |



AD956Y

### RCBOs - 2 pole 2 modules

**Characteristics:**

- Conforms to IEC 61009
- Breaking capacity 6kA

- Two pole compact device for overload, short-circuit and earth leakage protection, with earth fault indicator

| Description        | Pack Qty. | Sensitivity | Cat. Ref.       | Unit MRP (₹) |
|--------------------|-----------|-------------|-----------------|--------------|
| <b>Double Pole</b> |           |             |                 |              |
| 6A, 2 modules      | 1         | 30 mA       | ▶ <b>AD956Y</b> | 6308         |
|                    | 1         | 100mA       | <b>AE956Y</b>   | 6437         |
|                    | 1         | 300 mA      | <b>AF956Y</b>   | 6677         |
| 10A, 2 modules     | 1         | 30 mA       | ▶ <b>AD960Y</b> | 6308         |
|                    | 1         | 100mA       | <b>AE960Y</b>   | 6437         |
|                    | 1         | 300 mA      | <b>AF960Y</b>   | 6677         |
| 16A, 2 modules     | 1         | 30 mA       | ▶ <b>AD966Y</b> | 6308         |
|                    | 1         | 100 mA      | <b>AE966Y</b>   | 6437         |
|                    | 1         | 300 mA      | <b>AF966Y</b>   | 6677         |
| 20A, 2 modules     | 1         | 30 mA       | ▶ <b>AD970Y</b> | 6308         |
|                    | 1         | 100 mA      | <b>AE970Y</b>   | 6437         |
|                    | 1         | 300 mA      | <b>AF970Y</b>   | 6677         |
| 25A, 2 modules     | 1         | 30 mA       | ▶ <b>AD975Y</b> | 6308         |
|                    | 1         | 100mA       | ▶ <b>AE975Y</b> | 6437         |
|                    | 1         | 300 mA      | <b>AF975Y</b>   | 6677         |
| 32A, 2 modules     | 1         | 30 mA       | ▶ <b>AD982Y</b> | 6634         |
|                    | 1         | 100mA       | ▶ <b>AE982Y</b> | 6620         |
|                    | 1         | 300 mA      | <b>AF982Y</b>   | 7026         |
| 40A, 2 modules     | 1         | 30 mA       | ▶ <b>AD990Y</b> | 7867         |
|                    | 1         | 100mA       | ▶ <b>AE990Y</b> | 8048         |
|                    | 1         | 300 mA      | <b>AF990Y</b>   | 7915         |



ADH975

### RCBOs - type Hi (high immunity)

**Characteristics:**

- Conforms to IEC 61009
- Breaking capacity 6kA

- For electrical networks with high harmonics / pulsated
- DC components with earth fault indicator

| Description        | Pack Qty. | Sensitivity | Cat. Ref.       | Unit MRP (₹) |
|--------------------|-----------|-------------|-----------------|--------------|
| <b>Double Pole</b> |           |             |                 |              |
| 6A, 2 modules      | 1         | 30 mA       | <b>ADH956</b>   | 11409        |
|                    | 1         | 300 mA      | <b>AFH956</b>   | 12076        |
| 10A, 2 modules     | 1         | 30 mA       | <b>ADH960</b>   | 11409        |
|                    | 1         | 300 mA      | <b>AFH960</b>   | 12076        |
| 16A, 2 modules     | 1         | 30 mA       | ▶ <b>ADH966</b> | 11409        |
|                    | 1         | 300 mA      | ▶ <b>AFH966</b> | 12076        |
| 20A, 2 modules     | 1         | 30 mA       | ▶ <b>ADH970</b> | 11409        |
|                    | 1         | 300 mA      | <b>AFH970</b>   | 12076        |
| 25A, 2 modules     | 1         | 30 mA       | ▶ <b>ADH975</b> | 11409        |
|                    | 1         | 300 mA      | <b>AFH975</b>   | 12076        |
| 32A, 2 modules     | 1         | 30 mA       | ▶ <b>ADH982</b> | 12923        |
| 40A, 2 modules     | 1         | 30 mA       | ▶ <b>ADH990</b> | 15255        |



ADC225Y

**RCBO, RCD+MCB modules**

**Characteristics:**

- Conforms to IEC 61009-1
- Breaking capacity 10kA
- CE / ISI Marked
- RoHS compliant

- Type AC
- Two pole and four pole device for overload, short-circuit and earth leakage protection, with earth fault indicator

| Description        | Pack Qty. | Sensitivity | Cat. Ref. | Unit MRP (₹) |
|--------------------|-----------|-------------|-----------|--------------|
| <b>Double Pole</b> |           |             |           |              |
| 6A, 4 modules      | 1         | 30 mA       | ▶ ADC206Y | 5145         |
|                    | 1         | 100 mA      | AEC206Y   | 6402         |
| 10A, 4 modules     | 1         | 30 mA       | ▶ ADC210Y | 5331         |
|                    | 1         | 100 mA      | AEC210Y   | 6402         |
| 16A, 4 modules     | 1         | 30 mA       | ▶ ADC216Y | 4931         |
|                    | 1         | 100 mA      | ▶ AEC216Y | 6154         |
|                    | 1         | 300 mA      | AFC216Y   | 6367         |
| 25A, 4 modules     | 1         | 30 mA       | ▶ ADC225Y | 5076         |
|                    | 1         | 100 mA      | ▶ AEC225Y | 6459         |
|                    | 1         | 300 mA      | AFC225Y   | 6806         |
| 32A, 4 modules     | 1         | 30 mA       | ▶ ADC232Y | 5387         |
|                    | 1         | 100 mA      | ▶ AEC232Y | 6305         |
|                    | 1         | 300 mA      | AFC232Y   | 6583         |
| 40A, 4 modules     | 1         | 30 mA       | ▶ ADC240Y | 6410         |
|                    | 1         | 100 mA      | ▶ AEC240Y | 7095         |
|                    | 1         | 300 mA      | ▶ AFC240Y | 7294         |
| 63A, 4 modules     | 1         | 30 mA       | ▶ ADC263Y | 8203         |
|                    | 1         | 100 mA      | AEC263Y   | 8771         |
|                    | 1         | 300 mA      | AFC263Y   | 8921         |



ADC425Y

**Four Pole**

|                |   |        |           |      |
|----------------|---|--------|-----------|------|
| 16A, 6 modules | 1 | 30 mA  | ▶ ADC416Y | 6940 |
|                | 1 | 100 mA | ▶ AEC416Y | 7821 |
|                | 1 | 300 mA | AFC416Y   | 8069 |
| 25A, 6 modules | 1 | 30 mA  | ▶ ADC425Y | 7420 |
|                | 1 | 100 mA | ▶ AEC425Y | 8013 |
|                | 1 | 300 mA | ▶ AFC425Y | 8321 |
| 32A, 7 modules | 1 | 30 mA  | ▶ ADC432Y | 7158 |
|                | 1 | 100 mA | ▶ AEC432Y | 7810 |
|                | 1 | 300 mA | ▶ AFC432Y | 8049 |
| 40A, 7 modules | 1 | 30 mA  | ▶ ADC440Y | 7265 |
|                | 1 | 100 mA | ▶ AEC440Y | 7911 |
|                | 1 | 300 mA | ▶ AFC440Y | 7939 |
| 63A, 7 modules | 1 | 30 mA  | ▶ ADC463Y | 8942 |
|                | 1 | 100 mA | AEC463Y   | 9421 |
|                | 1 | 300 mA | AFC463Y   | 9585 |



### RCD add-on blocks for HLF MCBs (80-125A)

#### Characteristics:

- Conforms to:
  - IEC 61009 part 1:1996
  - IEC 60947 part 2:1996
- Rating: 125A (suitable for 80, 100 & 125A HLF MCBs)
- Voltage: 415 V AC, 50 Hz
- Type Hi: for electrically disturbed networks having transients, harmonics & pulsated DC currents
- Type AC: for normal circuits, protected against transients & switching surge

BTC480E

| Description   | Pack Qty. | Cat. Ref.      | Unit MRP (₹) |
|---|-----------|----------------|--------------|
| <b>3P Type AC</b>   |           |                |              |
| 125A, 30mA, instantaneous trip, 6 modules   | 1         | <b>BDC380E</b> | 21205        |
| 125A, adjustable sensitivity – 300/500mA/1A, 6 modules Trip time – Inst, 60 msec, 150 msec  | 1         | <b>BTC380E</b> | 22789        |
| <b>4P Type AC</b>   |           |                |              |
| 125A, 30mA, instantaneous trip, 6 modules   | 1         | <b>BDC480E</b> | 23656        |
| 125A, 300mA, instantaneous trip, 6 modules  | 1         | <b>BFC480E</b> | 22734        |
| 125A, adjustable sensitivity – 300/500mA/1A, 6 modules, Trip time – Inst, 60 msec, 150 msec | 1         | <b>BTC480E</b> | 26464        |
| <b>3P Type Hi</b>   |           |                |              |
| 125A, 30mA, instantaneous trip, 6 modules   | 1         | <b>BDH380E</b> | 25211        |
| 125A, adjustable sensitivity – 300/500mA/1A, 6 modules, Trip time – Inst, 60 msec, 150 msec | 1         | <b>BTH380E</b> | 30724        |
| <b>4P Type Hi</b>   |           |                |              |
| 125A, 30mA, instantaneous trip, 6 modules   | 1         | <b>BDH480E</b> | 28707        |
| 125A, 300mA, instantaneous trip, 6 modules  | 1         | <b>BFH480E</b> | 31591        |
| 125A, adjustable sensitivity – 300/500mA/1A, 6 modules, Trip time – Inst, 60 msec, 150 msec | 1         | <b>BTH480E</b> | 34015        |



BTH380E



LS501

### HRC fuse carriers

#### Characteristics:

- Conforms to IEC 60269 - 2
- IEC 60269 - 2 - 1
- IEC 60947 - 3
- Description
- Protection and control of circuits against overloads and short circuits.
- Technical data
- sizes : L38, L51
- poles : 1P, 2P
- voltage rating : 500 V AC, 690V AC
- current rating : 32 to 50A
- frequency : 50/60Hz
- climate sealed : T2
- short circuit resistance with fuse link 10.3 x 38 mm :
  - 80kA – 690V~ /
  - 120kA – 500 V~
- short circuit resistance with fuse link 14x51 mm :
  - 100kA – 690V
- Connection capacity
- L38 (10x38) :
  - rigid conductors : 25mm<sup>2</sup>
  - flexible conductors : 16mm<sup>2</sup>
- L51 (14x51) :
  - rigid conductors : 35mm<sup>2</sup>
  - flexible conductors : 25mm<sup>2</sup>

| Description                            | Pack Qty. | Characteristics | Cat. Ref.       | Unit MRP (₹) |
|--|-----------|-----------------|-----------------|--------------|
| <b>L38 fuse carriers</b><br>690V - 32A | 12        | Single Pole     | ▶ <b>LSN501</b> | 415          |
|  | 6         | Double Pole     | <b>LSN502</b>   | 694          |
| <b>L51 fuse carriers</b><br>690V - 32A | 1         | Single Pole     | <b>LS601</b>    | 1532         |
|  | 1         | Double Pole     | <b>LS602</b>    | 3169         |



LF302G

### HRC cartridge fuses - gG type

| Description              | Pack Qty. | Characteristics | Amp Rating | Cat. Ref.       | Unit MRP (₹) |
|--------------------------|-----------|-----------------|------------|-----------------|--------------|
| <b>Cartridge fuses</b>   |           |                 |            |                 |              |
| type gG                  | 10        | 500 V AC        | 1A         | ▶ <b>LF301G</b> | 82           |
| 10 x 38 mm               | 10        |                 | 2A         | ▶ <b>LF302G</b> | 82           |
| breaking capacity: 120kA | 10        |                 | 4A         | ▶ <b>LF304G</b> | 82           |
|                          | 10        |                 | 6A         | ▶ <b>LF306G</b> | 82           |
|                          | 10        |                 | 10A        | ▶ <b>LF310G</b> | 82           |
|                          | 10        |                 | 12A        | ▶ <b>LF312G</b> | 82           |
|                          | 10        |                 | 16A        | ▶ <b>LF316G</b> | 82           |
|                          | 10        |                 | 20A        | ▶ <b>LF320G</b> | 82           |
|                          | 10        |                 | 25A        | <b>LF325G</b>   | 90           |
|                          | 10        | 400 V AC        | 32A        | <b>LF332G</b>   | 97           |
| <b>Cartridge fuses</b>   |           |                 |            |                 |              |
| type gG                  | 10        | 690 V AC        | 6A         | <b>LF406G</b>   | 166          |
| 14 x 51 mm               |           |                 |            |                 |              |
| breaking capacity:       | 10        | 500 V AC        | 32A        | <b>LF432G</b>   | 166          |
| 2 to 25A : 80kA          | 10        |                 | 40A        | <b>LF440G</b>   | 166          |
| 32 to 50A : 120kA        | 10        | 400 V AC        | 50A        | <b>LF450G</b>   | 207          |



SPL465R

### Surge protection devices

#### Characteristics:

- Conforms to IEC 61643 - 1
- IEC 61643 - 11

- Protects electronic equipments against transient voltage surges caused by lightning or switching of motors, transformers etc.

| Description                                | Pack Qty. | Characteristics | Cat. Ref.        | Unit MRP (₹) |
|--|-----------|-----------------|------------------|--------------|
| <b>Type 1 + 2 products-main protection</b> |           |                 |                  |              |
| Imax 12.5kA (Remote Signaling)             | 1         | 2P T1+T2 TNS/TT | ▶ <b>SPL212R</b> | 15606        |
| Imax 12.5kA (Remote Signaling)             | 1         | 4P T1+T2 TNS/TT | ▶ <b>SPL412R</b> | 31233        |
| <b>Type 2 products-main protection</b>     |           |                 |                  |              |
| Imax 20kA                                  | 1         | 2P T2 TNS/TT    | ▶ <b>SPL220</b>  | 8655         |
| Imax 20kA                                  | 1         | 4P T2 TNS/TT    | ▶ <b>SPL420</b>  | 16446        |
| Imax 40kA                                  | 1         | 2P T2 TNS/TT    | ▶ <b>SPL240</b>  | 10206        |
| Imax 40kA                                  | 1         | 4P T2 TNS/TT    | ▶ <b>SPL440</b>  | 20041        |
| Imax 65kA (Remote Signaling)               | 1         | 2P T2 TNS/TT    | <b>SPL265R</b>   | 17445        |
| Imax 65kA (Remote Signaling)               | 1         | 4P T2 TNS/TT    | ▶ <b>SPL465R</b> | 34645        |
| <b>Phase cartridges for</b>                |           |                 |                  |              |
|  | 1         | SPL220/SPL420   | <b>SPL020</b>    | 2808         |
|  | 1         | SPL240/SPL440   | <b>SPL040</b>    | 3442         |
|  | 1         | SPL265R/SPL465R | <b>SPL065</b>    | 4119         |
| <b>Neutral cartridges for</b>              |           |                 |                  |              |
|  | 1         | SPL240/SPL440   | <b>SPL040N</b>   | 5496         |
|  | 1         | SPL265R/SPL465R | <b>SPL065N</b>   | 6579         |



SFT240N

### 2 way centre off changeover switches

**Characteristics:**

- Allows changeover from electricity boards supply to generator supply & vice-versa

| Description        | Pack Qty. | Cat. Ref. | Unit MRP (₹) |
|--------------------|-----------|-----------|--------------|
| <b>Double Pole</b> |           |           |              |
| 25A, 2 modules     | 1         | ▶ SFT225N | 3065         |
| 40A, 2 modules     | 1         | ▶ SFT240N | 4669         |
| 63A, 4 modules     |           | ▶ SF263   | 4954         |
| <b>Four Pole</b>   |           |           |              |
| 40A, 4 modules     | 1         | ▶ SFT440N | 7521         |
| 63A, 8 modules     | 1         | ▶ SF463   | 8265         |



SBN225N

### Isolating switches

**Characteristics:**

- Conforms to IEC 60947-III

- AC22A devices used as switch disconnectors in electrical circuit

| Description        | Pack Qty. | Cat. Ref. Curve C | Unit MRP (₹) |
|--------------------|-----------|-------------------|--------------|
| <b>Single Pole</b> |           |                   |              |
| 16A, 1 modules     | 1         | SBN116N           | 591          |
| <b>Double Pole</b> |           |                   |              |
| 25A, 1 module      | 1         | ▶ SBN225N         | 636          |
| 32A, 1 module      | 1         | SBN232N           | 691          |
| 40A, 2 modules     | 1         | ▶ SBN240N         | 721          |
| 63A, 2 modules     | 1         | ▶ SBN263N         | 958          |
| 100A, 2 modules    | 1         | SBN290N           | 1333         |
| 125A, 2 modules    | 1         | SBN299N           | 1518         |
| <b>Triple Pole</b> |           |                   |              |
| 32A, 2 module      | 1         | ▶ SBN332N         | 1261         |
| 40A, 3 modules     | 1         | ▶ SBN340N         | 1277         |
| 63A, 3 modules     | 1         | ▶ SBN363N         | 1529         |
| 100A, 3 modules    | 1         | ▶ SBN390N         | 1779         |
| 125A, 3 modules    | 1         | SBN399N           | 2050         |
| <b>Four Pole</b>   |           |                   |              |
| 32A, 2 module      | 1         | ▶ SBN432N         | 1367         |
| 40A, 4 modules     | 1         | ▶ SBN440N         | 1603         |
| 63A, 4 modules     | 1         | ▶ SBN463N         | 1785         |
| 100A, 4 modules    | 1         | ▶ SBN490N         | 2237         |
| 125A, 4 modules    | 1         | ▶ SBN499N         | 2439         |



SBN440N



# Time to switch.

The Time Switches Range  
from Hager

:hager

# Energy & Lighting Control

Hager offers innovative solutions for efficient use of available resources to keep energy consumption at lowest with higher control, comfort and convenience to users. Hager's lighting control devices are totally unique and provides real benefits to end users.



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SVN126

### Indicating lights (LED)

#### Characteristics:

- Modular LED indicating lights for remote signalling of status of an electrical circuit

| Description                               | Pack Qty. | Cat. Ref.     | Unit MRP (₹) |
|---|-----------|---------------|--------------|
| Green, 1 module                           | 12        | <b>SVN121</b> | 1058         |
| Red, 1 module                             | 12        | <b>SVN122</b> | 1058         |
| Orange, 1 module                          | 12        | <b>SVN123</b> | 1058         |
| Blue, 1 module                            | 12        | <b>SVN124</b> | 1058         |
| Red+Green indicator, 1 module             | 12        | <b>SVN126</b> | 1365         |
| Red+Green+Orange indicator, 1 module      | 12        | <b>SVN129</b> | 1502         |
| Red+Orange+Blue (RYB) indicator, 1 module | 12        | <b>SVN222</b> | 1977         |



SVN312

### Push buttons

#### Characteristics:

- Latching push buttons for actuating loads directly or via contactors

| Description                  | Pack Qty. | Cat. Ref.     | Unit MRP (₹) |
|------------------------------|-----------|---------------|--------------|
| <b>16A without indicator</b> |           |               |              |
| 1NO, 1 module                | 1         | <b>SVN312</b> | 1435         |
| 2NO, 1 module                | 1         | <b>SVN332</b> | 1474         |
| 1NO + 1NC, 1 module          | 1         | <b>SVN352</b> | 1474         |

| Description                     | Pack Qty. | Cat. Ref.     | Unit MRP (₹) |
|---------------------------------|-----------|---------------|--------------|
| <b>16A with green indicator</b> |           |               |              |
| 1NO, 1 module                   | 1         | <b>SVN413</b> | 2042         |



ESC463

### Contactors

#### Characteristics:

- All contactor ratings are for AC 7A load only (Coil voltage 230V 50Hz)

- For remote switching & control of power circuits

| Description                            | Pack Qty. | Cat. Ref.       | Unit MRP (₹) |
|--|-----------|-----------------|--------------|
| <b>Type 1 products-main protection</b> |           |                 |              |
| 2 NO, 25A, 1 module                    | 1         | ▶ <b>ESC225</b> | 2845         |
| 1 NO+1NC, 25A, 1 module                | 1         | <b>ESC227</b>   | 3095         |
| 2 NO, 40A, 3 modules                   | 1         | ▶ <b>ESC240</b> | 4955         |
| 2 NO, 63A, 3 modules                   | 1         | <b>ESC263</b>   | 6748         |
| 3 NO, 40A, 3 modules                   | 1         | <b>ESC340</b>   | 6768         |
| 3 NO, 63A, 3 modules                   | 1         | <b>ESC363</b>   | 8771         |
| 4 NO, 25A, 3 modules                   | 1         | <b>ESC425</b>   | 4439         |
| 4 NO, 40A, 3 modules                   | 1         | ▶ <b>ESC440</b> | 8142         |
| 2 NO+2NC, 40A, 3 modules               | 1         | <b>ESC442</b>   | 7434         |
| 3 NO+1NC, 40A, 3 modules               | 1         | <b>ESC443</b>   | 7229         |
| 4 NO, 63A, 3 modules                   | 1         | ▶ <b>ESC463</b> | 9701         |
| 2NO+2NC, 63A, 3 modules                | 1         | <b>ESC465</b>   | 8679         |
| 3NO+1NC, 63A, 3 modules                | 1         | <b>ESC466</b>   | 7650         |
| Auxiliary contact 1NO+1NC              | 1         | <b>ESC080</b>   | 2704         |



EH771

**Electromechanical time switches**

**Characteristics:**

- Complies with EN 60 730
- Contact Rating: 16A AC1
- Programming using captive segments

- These devices are used to control lighting & ventilation circuits based upon real time

| Description                             | Pack Qty. | Cat. Ref.     | Unit MRP (₹)       |
|---|-----------|---------------|--------------------|
| Quartz 1 channel 1 daily dial 1 module  | 1         | <b>EHN011</b> | 3485               |
| Quartz 1 channel 1 daily dial 3 modules | 1         | <b>EHN111</b> | 3402               |
| Quartz 1 channel 1 daily dial           | 1         | <b>EH711</b>  | * price on request |
| Quartz 1 channel weekly dial            | 1         | <b>EH771</b>  |                    |



EG103E

**Digital time switches**

**Characteristics:**

- Contact Rating: 16A AC1
- USB Key Versions: EG103E, EG293B

- Digital time switches for daily, weekly and yearly cycle
- 56 pre-recorded adjustable programs

| Description   | Pack Qty. | Cat. Ref.     | Unit MRP (₹)       |
|---|-----------|---------------|--------------------|
| 1 channel weekly cycle, 56 adj. pre-recorded prog., 2 modules with impulse and holiday function | 1         | <b>EG103E</b> | * price on request |



EE180

**Astronomical time switches**

**Characteristics:**

- Contact Rating: 16A AC1
- USB key for program download and upload Daily, Weekly Program

- Astronomical time switches are used to control various loads according to sunrise and sunset time
- Example street light, neon sign etc.

| Description                                 | Pack Qty. | Cat. Ref.     | Unit MRP (₹)       |
|---|-----------|---------------|--------------------|
| Astro time switch with USB key, 1 channel   | 1         | <b>EE180</b>  |                    |
| Astro time switch with USB key, 2 channels  | 1         | <b>EE181</b>  | * price on request |
| PC programming kit for EE180, EE181, EG103E | 1         | <b>EG003U</b> |                    |
| Spare USB key                               | 1         | <b>EG005</b>  |                    |

\*Timer referance available till stock lasts



EE702

### Twilight switches

**Characteristics:**

- These devices controls lighting circuits in relation to ambient light, based on user settings

| Description  | Pack Qty. | Cat. Ref.     | Unit MRP (₹) |
|--|-----------|---------------|--------------|
| Programmable twilight + electromechanical time switch delivered with surface cell, 5 modules | 1         | <b>EE110</b>  | 19845        |
| Outdoor IP54 twilight switch<br>2 to 1000 lux  | 1         | <b>EE702</b>  | 8342         |
| Spare IP54 surface cell for EE100 & 110  | 1         | <b>EEN003</b> | 7780         |



EE805A

### Movement and presence detectors

**Characteristics:**

- Day light sensing.
- Surface and flush mounting versions
- Adjustable time delay and lux level settings
- Movement detectors
- - Inbuilt ambient light sensor with adjustable lux level 5 to 1000 lux
- - adjustable time delay upto 30 mins

| Description   | Pack Qty. | Cat. Ref.       | Unit MRP (₹) |
|---|-----------|-----------------|--------------|
| Single lens, 360°, 6m dia detection<br>10A AC 1, 1 channel, surface mounted | 1         | ▶ <b>EE804A</b> | 5070         |
| Single lens, 360°, 6m dia detection<br>10A AC 1, 1 channel, flush mounted   | 1         | ▶ <b>EE805A</b> | 5070         |

# Detection Solutions



**Coming Soon**



EE820

### Movement detectors-wall mounted

**Characteristics:**

- Day light sensing.
- Surface and flush mounting versions
- Adjustable time delay and lux level settings
- Comfort range
- Adjustable lux level 5 to 1000 lux
- Time delay upto 15 mins
- Vertical / horizontal head adjustment
- Detection area control by shutters
- Enhanced range
- All features of comfort range plus adjustable sensitivity control via potentiometer
- Infra red remote control for remote setting (accessory)

| Description   | Pack Qty. | Cat. Ref.    | Unit MRP (₹)       |
|---|-----------|--------------|--------------------|
| <b>Comfort range</b>                                      |           |              |                    |
| Movement detector, 140°, 16m front detection, 10A AC 1    | 1         | <b>EE820</b> | * price on request |
| Movement detector, 200°, 16m front detection, 10A AC 1    | 1         | <b>EE830</b> | * price on request |
| Movement detector, 360°, 10m dia detection, 10A AC 1      | 1         | <b>EE840</b> | * price on request |
| <b>Enhanced range</b>                                     |           |              |                    |
| Movement detector, 140°, 16m front detection, 16A AC 1    | 1         | <b>EE850</b> | * price on request |
| Movement detector, 220°, 16m front detection, 16A AC 1    | 1         | <b>EE860</b> | * price on request |
| Movement detector, 220+360°, 16m front + 6m dia, 16A AC 1 | 1         | <b>EE870</b> | * price on request |



EE806

### Accessories for movement & presence detectors

**Characteristics:**

- Contact Rating: 16A AC1
- USB key for program download and upload Daily, Weekly Program
- Astronomical time switches are used to control various loads according to sunrise and sunset time
- Example street light, neon sign etc.

| Description  | Pack Qty. | Cat. Ref.    | Unit MRP (₹)       |
|--|-----------|--------------|--------------------|
| IR remote for remote setting of lux, timer and sensitivity for enhanced range EE850, EE860 & EE870 | 1         | <b>EE806</b> |                    |
| Installer remote control for Detector  | 1         | <b>EE807</b> | * price on request |
| User remote control for Detector   | 1         | <b>EE808</b> |                    |



EVN004

### Dimmers & dimming system

**Characteristics:**

- These devices are used for control of lighting levels in domestic & professional premises

| Description   | Pack Qty. | Cat. Ref.     | Unit MRP (₹)       |
|---|-----------|---------------|--------------------|
| 300 Watts, 230V, 50 Hz suitable for incandescent, halogen 230V, halogen VLV(12 or 24V) via electronic transformer   | 1         | <b>EVN012</b> |                    |
| 500 Watts, 230V, 50 Hz suitable for incandescent, halogen 230V, halogen VLV(12 or 24V) via ferromagnetic & electronic transformer, scene input                    | 1         | <b>EVN004</b> |                    |
| 1000 Watts, 230V, 50 Hz suitable for incandescent, halogen 230V, fluorescent lamp, halogen VLV(12 or 24V) via ferromagnetic & electronic transformer, scene input | 1         | <b>EV102</b>  | * price on request |
| 1/10 V Pilot dimmers with scene input to control several EV102 with adjustable preset levels & time delays  | 1         | <b>EV108</b>  |                    |

# Get in Touch with Us

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