

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

**Pricelist** with effect from

**01<sup>st</sup> August 2023**

**: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 € 2.8Bn 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  
**E3DC**

**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:



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.



Erwin van Handenhoven

**“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.



**Daniel Hager**  
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.

A handwritten signature in black ink, appearing to read 'Daniel Hager'. The signature is stylized and includes a horizontal line extending to the right.

Yours sincerely,  
Daniel Hager

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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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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>	1664
8 way, 8 modules	1	▶ <b>VYS08C</b>	2098
12 way, 12 modules	1	▶ <b>VYS12C</b>	2483
16 way, 16 modules	1	▶ <b>VYS16C</b>	3061
18 way, 18 modules	1	▶ <b>VYS18C</b>	3510



VYS12D

### IP43 Double Door DBs

Description	Pack Qty.	Cat. Ref. plain door	Unit MRP (₹)
4 way, 4 modules	1	▶ <b>VYS04D</b>	2274
6 way, 6 modules	1	▶ <b>VYS06D</b>	2553
8 way, 8 modules	1	▶ <b>VYS08D</b>	2826
12 way, 12 modules	1	▶ <b>VYS12D</b>	3393
16 way, 16 modules	1	▶ <b>VYS16D</b>	4313
18 way, 18 modules	1	▶ <b>VYS18D</b>	4731

- 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>	4292
6 way, 4+18 modules	1	<b>VYT06CD</b>	5207
4 way, 8+12 modules	1	<b>VYT04CH</b>	4704
6 way, 8+18 modules	1	<b>VYT06CH</b>	5796
8 way, 8+24 modules	1	<b>VYT08CH</b>	6813
12 way, 8+36 modules	1	<b>VYT12CH</b>	10104

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



VYT06DH

Description	Pack Qty.	Cat. Ref. metal door	Unit MRP (₹)
4 way, 4+12 modules	1	▶ <b>VYT04DD</b>	5368
6 way, 4+18 modules	1	▶ <b>VYT06DD</b>	6449
4 way, 8+12 modules	1	▶ <b>VYT04DH</b>	5592
6 way, 8+18 modules	1	▶ <b>VYT06DH</b>	6893
8 way, 8+24 modules	1	▶ <b>VYT08DH</b>	8274
12 way, 8+36 modules	1	▶ <b>VYT12DH</b>	12378
16 way, 8+48 modules	1	<b>VYT16DH</b>	15348

**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. plain door	Unit MRP (₹)
4+2 way, 8+6+12 modules	1	▶ VYH04DH	10559
6+2 way, 8+6+18 modules	1	▶ VYH06DH	12442
8+2 way, 8+6+24 modules	1	▶ VYH08DH	17157
12+2 way, 8+6+36 modules	1	▶ VYH12DH	20593

## 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. plain door	Unit MRP (₹)
6+2 way, 8+6+18 modules	1	▶ VYP06DH	12405
8+2 way, 8+6+24 modules	1	▶ VYP08DH	14631
10+2 way, 8+6+30 modules	1	▶ VYP10DH	15177
12+2 way, 8+6+36 modules	1	▶ VYP12DH	16451
16+2 way, 8+6+48 modules	1	▶ VYP16DH	17366
12+2 way, MCCB*+ 6 + 36 modules	1	▶ VYP12DM	16633



VYP10DH

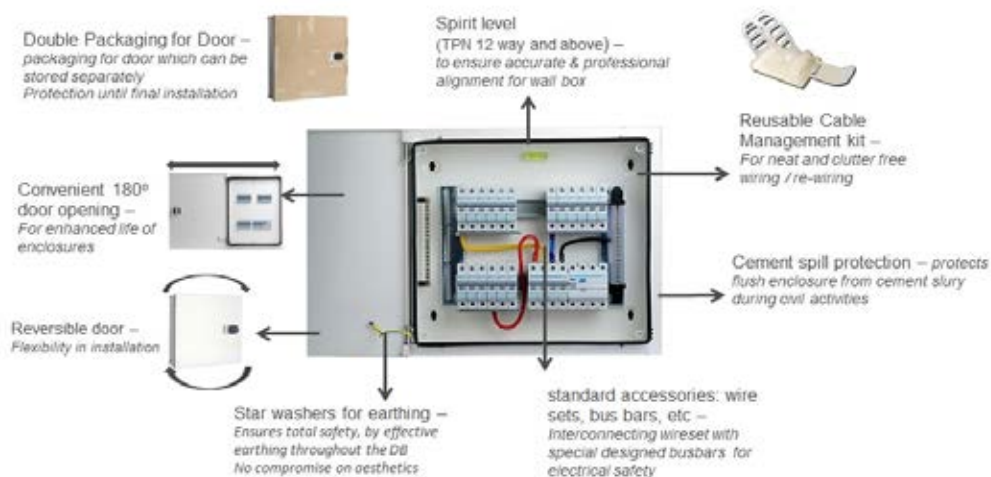
- \*Provision to mount frame X160 h3 MCCB

- 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

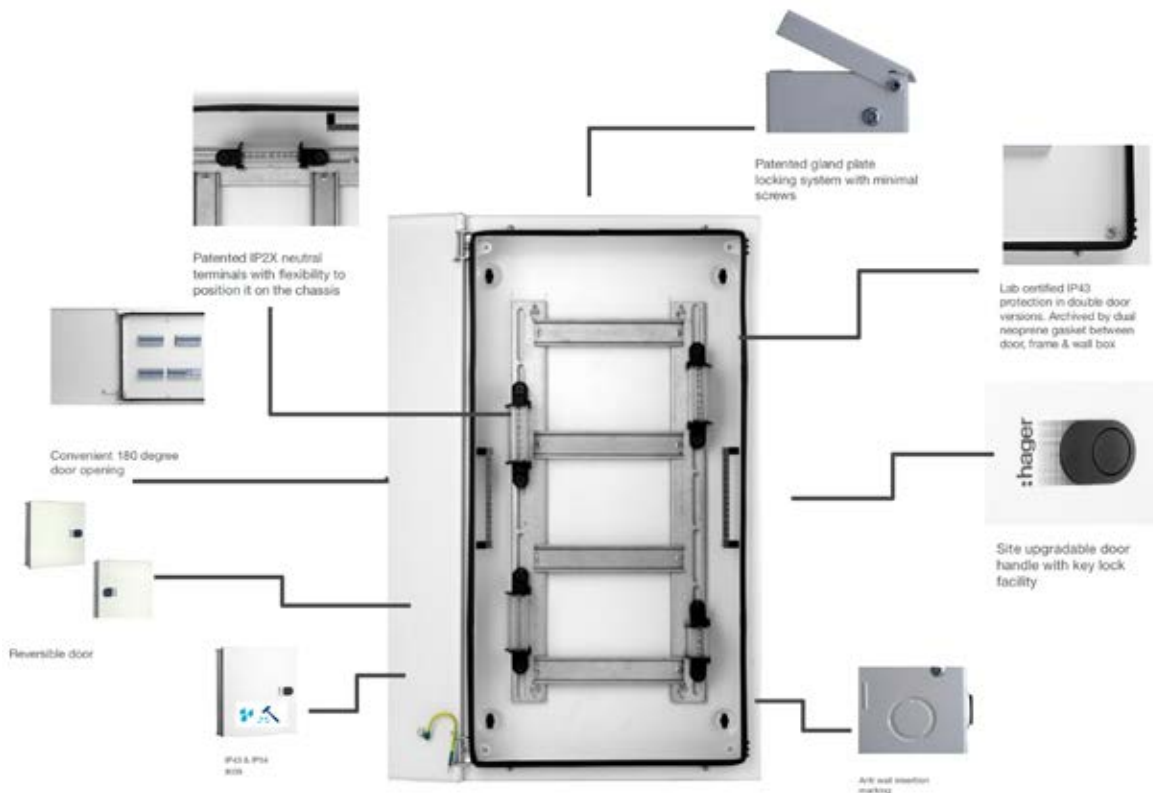
**IP43 Double Door DBs  
(Incomer + Outgoing Modules)**

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
4 way, 12+12 modules	1	▶ <b>VYV04DL-P</b>	13887
6 way, 12+18 modules	1	▶ <b>VYV06DL-P</b>	15520
8 way, 12+24 modules	1	▶ <b>VYV08DL-P</b>	17045
12 way, 12+36 modules	1	▶ <b>VYV12DL-P</b>	23991
16 way, 12+48 modules	1	<b>VYV16DL-P</b>	29653

**Metering Box**

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
Ext Box for VTPN DD DB	1	<b>VYV00M</b>	7983

- 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	▶ <b>VYV04DM-P</b>	17195
6 way, MCCB+18 modules	1	▶ <b>VYV06DM-P</b>	19533
8 way, MCCB+24 modules	1	▶ <b>VYV08DM-P</b>	21503
12 way, MCCB+36 modules	1	▶ <b>VYV12DM-P</b>	28754
16 way, MCCB+48 modules	1	<b>VYV16DM-P</b>	34132

**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



VYV06DM-P160

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

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
4 way, MCCB+12 modules	1	<b>VYV04DM-P160</b>	17195
6 way, MCCB+18 modules	1	<b>VYV06DM-P160</b>	19533
8 way, MCCB+24 modules	1	<b>VYV08DM-P160</b>	21503
12 way, MCCB+36 modules	1	<b>VYV12DM-P160</b>	28754
16 way, MCCB+48 modules	1	<b>VYV16DM-P160</b>	34132

**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



VYV06DM2-P

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

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
4 way, MCCB+12 modules	1	<b>VYV04DM2-P</b>	31906
6 way, MCCB+18 modules	1	<b>VYV06DM2-P</b>	34791
8 way, MCCB+24 modules	1	<b>VYV08DM2-P</b>	37215
12 way, MCCB+36 modules	1	<b>VYV12DM2-P</b>	39334
16 way, MCCB+48 modules	1	<b>VYV16DM2-P</b>	44295



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>	14021	<b>VYG04DM</b>	20020
6 way, 12+12+18 modules	1	▶ <b>VYG06DL</b>	15792	<b>VYG06DM</b>	22883
8 way, 12+12+24 modules	1	▶ <b>VYG08DL</b>	17623	<b>VYG08DM</b>	26207
12 way, 12+12+36 modules	1	▶ <b>VYG12DL</b>	21920	<b>VYG12DM</b>	29883

- \*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>	19116
6 way, 8+18 modules	1	▶ <b>VYC06DH</b>	19415
8 way, 8+24 modules	1	▶ <b>VYC08DH</b>	20807
12 way, 8+36 modules	1	▶ <b>VYC12DH</b>	23418



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>	7712
3 row, 42 modules	1	▶ <b>VYF314D</b>	9258
4 row, 40 modules	1	▶ <b>VYF410D</b>	9383
4 row, 56 modules	1	▶ <b>VYF414D</b>	10088
4 row, 64 modules	1	▶ <b>VYF416D</b>	11891

- 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>	931
4 way, 4 modules	1	▶ <b>VYM04C</b>	931
6 way, 6 modules	1	▶ <b>VYM06C</b>	1568
8 way, 8 modules	1	▶ <b>VYM08C</b>	1568
metal enclosure hinged door, 3 pole, x160 frame MCCB	1	▶ <b>VYM160HM</b>	3470
metal enclosure hinged door, 4 pole, x160 frame MCCB	1	▶ <b>VYM161HM</b>	3470
metal enclosure hinged door, 3 pole, x250 frame MCCB	1	▶ <b>VYM250HM</b>	9057
metal enclosure hinged door, 4 pole, x250 frame MCCB	1	▶ <b>VYM251HM</b>	9057
160A 3P MCCB h3+ Enclosure	1	<b>VYM160HM-P160</b>	3666
160A 4P MCCB h3+ Enclosure	1	▶ <b>VYM161HM-P160</b>	3666
250A 3P MCCB h3+ Enclosure	1	<b>VYM250HM-P250</b>	9570
250A 4P MCCB h3+ Enclosure	1	<b>VYM251HM-P250</b>	9570
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>	2050
20A 2 Pin + SC*, 1 modules	1	▶ <b>VYA120C</b>	2198
20A 2 Pin + SC*, 2 modules	1	▶ <b>VYA220C</b>	2398
20A 3 Pin + SC*, 4 modules	1	▶ <b>VYA420C</b>	3579
32A 3 Pin + SC*, 4 modules	1	▶ <b>VYA432C</b>	4827
63A 5 Pin + SC*, 8 modules	1	▶ <b>VYA863C</b>	16697

\* 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>	3427
32A 3 Pin, 4 modules	1	▶ <b>VYB432C</b>	3704
32A 5 Pin, 8 modules	1	▶ <b>VYB832C</b>	6742
63A 5 Pin, 8 modules	1	▶ <b>VYB863C</b>	16967



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>	292	10A 2P+E Metal Socket	<b>VZ140I</b>	298
20A 2P+E Metal Plug	10	▶ <b>VZ131I</b>	305	20A 2P+E Metal Socket	▶ <b>VZ141I</b>	333
20A 3P+E Metal Plug	10	▶ <b>VZ132I</b>	415	20A 3P+E Metal Socket	▶ <b>VZ142I</b>	450
32A 3P+E Metal Plug	5	▶ <b>VZ133I</b>	732	32A 3P+E Metal Socket	▶ <b>VZ143I</b>	732
63A 5P Metal Plug	1	<b>VZ134I</b>	3341	63A 5P Metal Socket	<b>VZ144I</b>	3548

## 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>	1007
CEB for 6 way SPN DD DB	1	<b>VYS06E</b>	1062
CEB for 8 way SPN DD DB	1	<b>VYS08E</b>	1181
CEB for 12 way SPN DD DB	1	<b>VYS12E</b>	1339
CEB for 16 way SPN DD DB	1	<b>VYS16E</b>	1890
CEB for 18 way SPN DD DB	1	<b>VYS18E</b>	1963

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

CEB for 4 way TPN DD DB	1	<b>VYT04E</b>	1727
CEB for 6 way TPN DD DB	1	▶ <b>VYT06E</b>	1873
CEB for 8 way TPN DD DB	1	<b>VYT08E</b>	3291
CEB for 12 way TPN DD DB	1	<b>VYT12E</b>	4399
CEB for 16 way TPN DD DB	1	<b>VYT16E</b>	4399

### CEB for TPN Horizontal PPI DB

CEB for 2 + 4 way Horizontal PPI DD DB	1	<b>VYH04E</b>	1817
CEB for 2 + 6 way Horizontal PPI DD DB	1	<b>VYH06E</b>	2852
CEB for 2 + 8 way Horizontal PPI DD DB	1	<b>VYH08E</b>	3336
CEB for 2 + 12 way Horizontal PPI DD DB	1	<b>VYH12E</b>	3769



VYH08E

### CEB for TPN Tier PPI DB

CEB for 2 + 6 way Tier PPI DD DB	1	<b>VYP06E</b>	1569
CEB for 2 + 8 way Tier PPI DD DB	1	<b>VYP08E</b>	1598
CEB for 2 + 10 way Tier PPI DD DB	1	<b>VYP10E</b>	1980
CEB for 2 + 12 way Tier PPI DD DB	1	<b>VYP12E</b>	3024
CEB for 2 + 12 way Tier PPI DD DB (MCCB)	1	<b>VYP12EM</b>	3156

### CEB for vertical TPN DB

CEB for Vertical TPN DD DB	1	<b>VYV00E</b>	4832
----------------------------	---	---------------	------

### CEB for Flexi DB

CEB for 14Mod flexy DB	1	<b>VYF14E</b>	1648
CEB for 16Mod flexy DB	1	<b>VYF16E</b>	2008

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. plain door	Cat. Ref. acrylic door	Unit MRP (₹)
1 row 4 modules (4 way SPN DB)	1	<b>VF104PJ</b>	<b>VF104TJ</b>	1904
1 row 8 modules (8 way SPN DB)	1	<b>VF108PJ</b>	<b>VF108TJ</b>	2500
1 row 12 modules (12 way SPN DB)	1	<b>VF112PJ</b>	<b>VF112TJ</b>	3176
1 row 18 modules (18 way SPN DB)	1	<b>VF118PJ</b>	<b>VF118TJ</b>	4233
2 row 24 modules (6 way TPN DB)	1	<b>VF212PJ</b>	<b>VF212TJ</b>	4863
2 row 36modules (8 way TPN DB)	1	<b>VF218PJ</b>	<b>VF218TJ</b>	6602
3 row 36 modules (8 way TPN DB)	1	<b>VF312PJ</b>	<b>VF312TJ</b>	6346
4 row 48 modules (12 way TPN DB)	1	<b>VF412PJ</b>	<b>VF412TJ</b>	7770



VS412PJ

### Surface mounting

Description	Pack Qty.	Cat. Ref. plain door	Cat. Ref. acrylic door	Unit MRP (₹)
1 row 4 modules (4 way SPN DB)	1	<b>VS104PJ</b>	<b>VS104TJ</b>	1904
1 row 8 modules (8 way SPN DB)	1	<b>VS108PJ</b>	<b>VS108TJ</b>	2500
1 row 12 modules (12 way SPN DB)	1	<b>VS112PJ</b>	<b>VS112TJ</b>	3176
1 row 18 modules (18 way SPN DB)	1	<b>VS118PJ</b>	<b>VS118TJ</b>	4233
2 row 24 modules (6 way TPN DB)	1	<b>VS212PJ</b>	<b>VS212TJ</b>	4863
2 row 36modules (8 way TPN DB)	1	<b>VS218PJ</b>	<b>VS218TJ</b>	6602
3 row 36 modules (8 way TPN DB)	1	<b>VS312PJ</b>	<b>VS312TJ</b>	6346
4 row 48 modules (12 way TPN DB)	1	<b>VS412PJ</b>	<b>VS412TJ</b>	7770

## 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	▶ <b>VE103L</b>	2947
1 row 6 modules	1	▶ <b>VE106L</b>	3661
1 row 10 modules	1	▶ <b>VE110L</b>	5101
1 row 12 modules	1	▶ <b>VE112L</b>	6050
1 row 18 modules	1	<b>VE118L</b>	7203
2 row 24 modules	1	<b>VE212L</b>	8208
2 row 36 modules	1	<b>VE218L</b>	12143
3 row 36 modules	1	<b>VE312L</b>	11113
4 row 48 modules	1	<b>VE412L</b>	15760
3 row 54 modules	1	<b>VE318L</b>	17981
vector IP65 Key lock	1	<b>VZ311</b>	891

### 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)

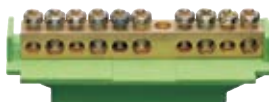
Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
1 pole 1 mod step, 12 mod	100	<b>KDN163A</b>	523
1 pole 1 mod step, 56 mod	50	▶ <b>KD163B</b>	1959
2 pole 2 mod step, 12 mod	50	<b>KDN263A</b>	887
2 pole 2 mod step, 56 mod	20	▶ <b>KD263B</b>	3747
3 pole 3 mod step, 12 mod	50	<b>KDN363A</b>	942
3 pole 3 mod step, 57 mod	20	▶ <b>KD363B</b>	4730
4 pole 4 mod step, 12 mod	25	<b>KDN463A</b>	1946
4 pole 4 mod step, 56 mod	10	▶ <b>KD463B</b>	8415

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

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
1 pole 1 step 13 mod - Brown (phase)	1	<b>KB163P</b>	543
1 pole 1 step 13 mod - Blue (neutral)	1	<b>KB163N</b>	543

#### End caps for busbars

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



KM14N

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
63A din rail mounting neutral link	25	<b>KM14N</b>	571
Half mod blanking plate	50	<b>P031F</b>	41
One mod blanking plate	50	<b>P032F</b>	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 - SPN	46
Automatic changeover with current limiter - 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 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 50kA	630	173150	129110	217320	164160
	800	173150	129110	217320	164160
	1000	181900	141330	227690	178280
	1250	202530	162440	252180	202950
	1600	230190	180310	280870	233070
Frame A - Type N 65kA	2000	280600	211280	344610	276120
	630	199120	148480	249920	188780
	800	199120	148480	249920	188780
	1000	209180	162530	261840	205020
	1250	232910	186810	290010	233390
Frame B - Type N 65kA	1600	264720	207360	323000	268030
	2000	322690	242970	396300	317540
	2500	346910	257570	421540	325420
	3200	423260	368700	518990	454920
4000	517670	454050	658990	569240	

Breaking Capacity 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 50kA	630	211150	167110	255320	202160
	800	211150	167110	255320	202160
	1000	219900	179330	265690	216280
	1250	240530	200440	290180	240950
	1600	268190	218310	318870	271070
Frame A - Type N 65kA	2000	318600	249280	382610	314120
	630	237120	186480	287920	226780
	800	237120	186480	287920	226780
	1000	247180	200530	299840	243020
	1250	270910	224810	328010	271390
Frame B - Type N 65kA	1600	302720	245360	361000	306030
	2000	360690	280970	434300	355540
	2500	384910	295570	459540	363420
	3200	461260	406700	556990	492920
4000	555670	492050	696990	607240	

### Accessories

Description	Cat. Ref.	Unit MRP (₹)
Shunt Release - DC 24V	HWX501	5000
Shunt Release - AC/DC 110V	HWX503	5000
Shunt Release - AC/DC 220-250V	HWX504	5000
Closing Release - DC 24V	HWX501	5000
Closing Release - AC/DC 110V	HWX503	5000
Closing Release - AC/DC 220-250V	HWX504	5000
Undervoltage Release - AC/DC 110V	HWX513	5000
Undervoltage Release - AC/DC 220-250V	HWX514	5000
Undervoltage Release - AC 380-415V	HWX515	5000
Motor Operator - DC 24V	HWX541	28000
Motor Operator - AC/DC 110V	HWX543	28000
Motor Operator - AC/DC 220-250V	HWX544	28000

### 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**

Ics=100% Icu as per IEC 60947-2

Rated Current	Frame	Cat. Ref. 3 Pole	Unit MRP (₹)	Cat. Ref. 4 Pole	Unit MRP (₹)
40A	P160	▶ HHS040DR	10114	▶ HHS041DR	11884
63A		▶ HHS063DR	10114	▶ HHS064DR	11884
80A		HHS080DR	10114	▶ HHS081DR	11884
100A		▶ HHS100DR	10114	▶ HHS101DR	11884
125A		▶ HHS125DR	15982	▶ HHS126DR	19587
160A	P250	▶ HHS160DR	17643	▶ HHS161DR	21979
200A		▶ HHT200DR	28888	▶ HHT201DR	34748
250A		▶ HHT250DR	29442	▶ HHT251DR	36287
320A		▶ HHJ320DR	36732	▶ HHJ321DR	46021
400A		▶ HHJ400DR	36760	▶ HHJ401DR	46650
630A	P630	▶ HHJ630DE	46947	▶ HHJ631DE	54900

**Breaking Capacity**

Ics=100% Icu as per IEC 60947-2

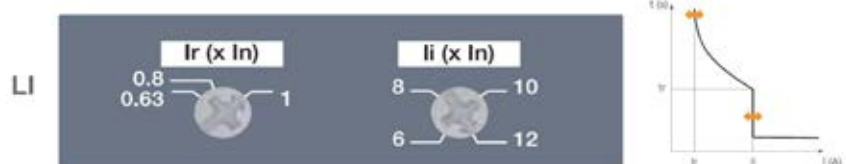
Rated Current	Frame	Cat. Ref. 3 Pole	Unit MRP (₹)	Cat. Ref. 4 Pole	Unit MRP (₹)
40A	P160	HNS040DR	11508	HNS041DR	13516
63A		▶ HNS063DR	11508	▶ HNS064DR	13516
80A		HNS080DR	11508	HNS081DR	13516
100A		▶ HNS100DR	11508	▶ HNS101DR	13516
125A		▶ HNS125DR	16843	▶ HNS126DR	20936
160A	P250	▶ HNS160DR	18635	▶ HNS161DR	23172
200A		▶ HNT200DR	29255	▶ HNT201DR	38717
250A		▶ HNT250DR	31095	▶ HNT251DR	39107
320A		▶ HNJ320DR	37478	▶ HNJ321DR	46961
400A		▶ HNJ400DR	37506	▶ HNJ401DR	47604
630A	P630	▶ HNJ630DE	46561	▶ HNJ631DE	56289

**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 (₹)
40A	P160	HMS040DR	15038	HMS041DR	18884
63A		HMS063DR	15038	HMS064DR	18884
80A		HMS080DR	15038	HMS081DR	18884
100A		▶ HMS100DR	15038	▶ HMS101DR	18884
125A		▶ HMS125DR	18938	▶ HMS126DR	22367
160A	P250	▶ HMS160DR	21864	▶ HMS161DR	25693
200A		▶ HMT200DR	32888	▶ HMT201DR	40184
250A		▶ HMT250DR	33834	▶ HMT251DR	43023
320A		▶ HMJ320DR	41947	▶ HMJ321DR	51104
400A		▶ HMJ400DR	42251	▶ HMJ401DR	52299
630A	P630	▶ HMJ630DE	53473	▶ HMJ631DE	68003

### 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**

lcs=100% lcu as per IEC 60947-2)	Rated Current	Frame	Cat. Ref. 3 Pole	Unit MRP (₹)	Cat. Ref. 4 Pole	Unit MRP (₹)
25kA	40A	P160	<b>HHS040JR</b>	19580	<b>HHS041JR</b>	25425
	100A		<b>HHS100JR</b>	18737	<b>HHS101JR</b>	25303
	160A	P250	<b>HHS160JR</b>	25010	<b>HHS161JR</b>	32211
	250A		<b>HHT250JR</b>	32873	<b>HHT251JR</b>	42157

**Breaking Capacity**

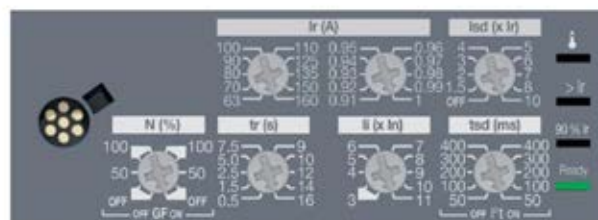
lcs=100% lcu as per IEC 60947-2)	Rated Current	Frame	Cat. Ref. 3 Pole	Unit MRP (₹)	Cat. Ref. 4 Pole	Unit MRP (₹)	
40kA	40A	P160	<b>HNS040JR</b>	19714	<b>HNS041JR</b>	25081	
	100A		<b>HNS100JR</b>	19714	<b>HNS101JR</b>	25081	
	160A		<b>HNS160JR</b>	25211	<b>HNS161JR</b>	35251	
	250A	P250	<b>HNT250JR</b>	34590	<b>HNT251JR</b>	47483	
	400A		P630	<b>HNW400JR</b>	54949	<b>HNW401JR</b>	62723
	630A			<b>HNW630JR</b>	58083	<b>HNW631JR</b>	75297

**Breaking Capacity**

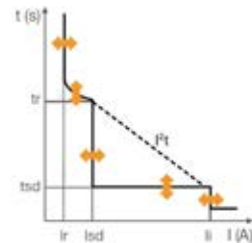
lcs=100% lcu as per IEC 60947-2)	Rated Current	Frame	Cat. Ref. 3 Pole	Unit MRP (₹)	Cat. Ref. 4 Pole	Unit MRP (₹)	
50kA	40A	P160	<b>HMS040JR</b>	22572	<b>HMS041JR</b>	30919	
	100A		<b>HMS100JR</b>	22572	<b>HMS101JR</b>	31844	
	160A		<b>HMS160JR</b>	28614	<b>HMS161JR</b>	37054	
	250A	P250	<b>HMT250JR</b>	38971	<b>HMT251JR</b>	53105	
	400A		P630	<b>HMW400JR</b>	57508	<b>HMW401JR</b>	74605
	630A			<b>HMW630JR</b>	59535	<b>HMW631JR</b>	78879

**h3+ Range Overview**  
**Electronic Releases**

LSI  
LSIG



Trip unit 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 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	P250	HHT040LR	35268	HHT041LR	39474
		HHT100LR	35268	HHT101LR	39474
		HHT160LR	37299	HHT161LR	44848
		HHT250LR	42708	HHT251LR	51171

**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	P250	HNT040LR	35438	HNT041LR	41031
		HNT100LR	35438	HNT101LR	41031
		HNT160LR	38543	HNT161LR	46280
		HNT250LR	43221	HNT251LR	53617
	P630	HNW400LR	61409	HNW401LR	69873
		HNW630LR	70566	HNW631LR	83063

**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	P250	HMT040LR	38543	HMT041LR	44169
		HMT100LR	38543	HMT101LR	44169
		HMT160LR	43758	HMT161LR	47313
		HMT250LR	46760	HMT251LR	54896
	P630	HMW400LR	63117	HMW401LR	77185
		HMW630LR	70814	HMW631LR	88367

**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	<b>HHS040NR</b>	56407	<b>HHS041NR</b>	62673
	100A		<b>HHS100NR</b>	56407	<b>HHS101NR</b>	62673
	160A		<b>HHS160NR</b>	56436	<b>HHS161NR</b>	62833
	250A	P250	<b>HHT250NR</b>	58393	<b>HHT251NR</b>	70011

### 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	<b>HNS040NR</b>	57902	<b>HNS041NR</b>	64213
	100A		<b>HNS100NR</b>	57902	<b>HNS101NR</b>	64213
	160A		<b>HNS160NR</b>	58855	<b>HNS161NR</b>	66701
	250A	P250	<b>HNT250NR</b>	59541	<b>HNT251NR</b>	71728
	400A		<b>HNW400NR</b>	89183	<b>HNW401NR</b>	100444
	630A		<b>HNW630NR</b>	101280	<b>HNW631NR</b>	124879

### 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	<b>HMS040NR</b>	58765	<b>HMS041NR</b>	65183
	100A		<b>HMS100NR</b>	58765	<b>HMS101NR</b>	65183
	160A		<b>HMS160NR</b>	56375	<b>HMS161NR</b>	67700
	250A	P250	<b>HMT250NR</b>	60425	<b>HMT251NR</b>	72801
	400A		<b>HMW400NR</b>	90513	<b>HMW401NR</b>	102248
	630A		<b>HMW630NR</b>	102284	<b>HMW631NR</b>	126745

## 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	1509
Alarm Contact	1	▶ HXA024H	1531
Shunt 24V DC	1	HXA001H	3160
Shunt 230V AC	1	▶ HXA004H	3160
UnderVoltage - 24V DC	1	HXA011H	3809
UnderVoltage - 240V DC	1	▶ HXA014H	3809
UnderVoltage - 415V AC	1	HXA015H	3809
Direct Rotary Handle	1	HXS030H	1523
Extended Rotary Handle	1	HXS031H	2437
Spreaders - 3P	1	▶ HYS011H	829
Spreaders - 4P	1	▶ HYS012H	1078
Interphase barrier 3/4P	1	▶ HYS019H	513



HXA004H

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
<b>P250 Frame</b>			
Auxiliary Contact	1	▶ HXA021H	1509
Alarm Contact	1	▶ HXA024H	1531
Shunt 24V DC	1	HXA001H	3160
Shunt 230V AC	1	▶ HXA004H	3160
UnderVoltage - 24V DC	1	HXA011H	3809
UnderVoltage - 240V DC	1	▶ HXA014H	3809
UnderVoltage - 415V AC	1	HXA015H	3809
Direct Rotary Handle	1	HXT030H	1664
Extended Rotary Handle	1	HXT031H	2649
Spreaders - 3P	1	▶ HYB011H	842
Spreaders - 4P	1	▶ HYB012H	1146
Interphase barrier 3/4P	1	HYT019H	520
Motor Mechanism (auto reset) 240V AC	1	HXT042H	30587



HXW030H

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
<b>P630 Frame</b>			
Auxiliary Contact	1	▶ HXA021H	1509
Alarm Contact	1	▶ HXA024H	1531
Shunt 24V DC	1	HXA001H	3160
Shunt 230V AC	1	▶ HXA004H	3160
UnderVoltage - 24V DC	1	HXA011H	3809
UnderVoltage - 240V DC	1	▶ HXA014H	3809
UnderVoltage - 415V AC	1	HXA015H	3809
Direct Rotary Handle	1	▶ HXW030H	2545
Extended Rotary Handle	1	▶ HXW031H	4801
Spreaders - 3P	1	▶ HYD014H	2153
Spreaders - 4P	1	▶ HYD015H	2593
Interphase barrier 3/4P	1	HYW019H	1105
Motor Mechanism (auto reset) 240V AC	1	HXW042H	48737



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>	6773
40A, 3 pole	1	<b>HDA040Z</b>	6773
63A, 3 pole	1	▶ <b>HDA063Z</b>	6773
80A, 3 pole	1	<b>HDA080Z</b>	6773
100A, 3 pole	1	▶ <b>HDA100Z</b>	6773
125A, 3 pole	1	▶ <b>HDA125Z</b>	8385
160A, 3 pole	1	▶ <b>HDA160Z</b>	9051



HHA125Z

32A, 4 pole	1	<b>HDA033Z</b>	7786
40A, 4 pole	1	▶ <b>HDA041Z</b>	7786
63A, 4 pole	1	▶ <b>HDA064Z</b>	7786
80A, 4 pole	1	<b>HDA081Z</b>	7786
100A, 4 pole	1	▶ <b>HDA101Z</b>	7786
125A, 4 pole	1	▶ <b>HDA126Z</b>	8807
160A, 4 pole	1	▶ <b>HDA161Z</b>	9580

**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>	8398
40A, 3 pole	1	▶ <b>HHA040Z</b>	8398
63A, 3 pole	1	▶ <b>HHA063Z</b>	8398
80A, 3 pole	1	▶ <b>HHA080Z</b>	8398
100A, 3 pole	1	▶ <b>HHA100Z</b>	8398
125A, 3 pole	1	▶ <b>HHA125Z</b>	11329
160A, 3 pole	1	▶ <b>HHA160Z</b>	14130

32A, 4 pole	1	<b>HHA033Z</b>	11453
40A, 4 pole	1	▶ <b>HHA041Z</b>	11453
63A, 4 pole	1	▶ <b>HHA064Z</b>	11453
80A, 4 pole	1	▶ <b>HHA081Z</b>	11453
100A, 4 pole	1	▶ <b>HHA101Z</b>	11453
125A, 4 pole	1	▶ <b>HHA126Z</b>	14646
160A, 4 pole	1	▶ <b>HHA161Z</b>	17770



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	7625
63A, 3 pole	1	▶ HDA063U	7625
80A, 3 pole	1	HDA080U	7625
100A, 3 pole	1	▶ HDA100U	7625
125A, 3 pole	1	▶ HDA125U	9070
160A, 3 pole	1	▶ HDA160U	10507

40A, 4 pole	1	▶ HDA041U	9981
63A, 4 pole	1	▶ HDA064U	9981
80A, 4 pole	1	▶ HDA081U	9981
100A, 4 pole	1	▶ HDA101U	9981
125A, 4 pole	1	▶ HDA126U	10583
160A, 4 pole	1	▶ HDA161U	11777



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	9580
63A, 3 pole	1	▶ HHA063U	9580
80A, 3 pole	1	HHA080U	9580
100A, 3 pole	1	▶ HHA100U	9580
125A, 3 pole	1	▶ HHA125U	11677
160A, 3 pole	1	▶ HHA160U	14373

40A, 4 pole	1	HHA041U	12947
63A, 4 pole	1	HHA064U	12947
80A, 4 pole	1	HHA081U	12947
100A, 4 pole	1	▶ HHA101U	12947
125A, 4 pole	1	▶ HHA126U	15232
160A, 4 pole	1	▶ HHA161U	18630



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	11851
63A, 3 pole	1	HNA063U	11851
80A, 3 pole	1	HNA080U	11851
100A, 3 pole	1	HNA100U	11851
125A, 3 pole	1	▶ HNA125U	14205
160A, 3 pole	1	▶ HNA160U	17770

40A, 4 pole	1	HNA041U	15742
63A, 4 pole	1	▶ HNA064U	15742
80A, 4 pole	1	▶ HNA081U	15742
100A, 4 pole	1	▶ HNA101U	15742
125A, 4 pole	1	▶ HNA126U	17074
160A, 4 pole	1	▶ HNA161U	20324



HNB100U

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

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
200A, 3 pole	1	▶ <b>HNB200Z</b>	17347
250A, 3 pole	1	▶ <b>HNB250Z</b>	21667
200A, 4 pole	1	▶ <b>HNB201Z</b>	18038
250A, 4 pole	1	▶ <b>HNB251Z</b>	23553

**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>	13208
125A, 3 pole	1	<b>HNB125U</b>	14726
160A, 3 pole	1	<b>HNB160U</b>	19477
200A, 3 pole	1	▶ <b>HNB200U</b>	20671
250A, 3 pole	1	▶ <b>HNB250U</b>	27849
100A, 4 pole	1	<b>HNB101U</b>	16925
125A, 4 pole	1	<b>HNB126U</b>	17779
160A, 4 pole	1	<b>HNB161U</b>	22414
200A, 4 pole	1	▶ <b>HNB201U</b>	29959
250A, 4 pole	1	▶ <b>HNB251U</b>	33512

**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>	121338
1000A, 3 pole	1	<b>HNE970H</b>	143323
800A, 4 pole	1	▶ <b>HNE801H</b>	150657
1000A, 4 pole	1	<b>HNE971H</b>	190485

**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>	16868
250A, 4 pole	1	<b>HCB251Z</b>	19698



HCB251Z



HXA021H



HXA030H



HXC021H



HBA161H

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
<b>X160 Frame MCCB</b>			
Auxiliary Contact	1	▶ HXA021H	1509
Alarm Contact	1	▶ HXA024H	1531
Shunt 24V DC	1	HXA001H	3160
Shunt 230V AC	1	▶ HXA004H	3160
UnderVoltage - 24V DC	1	HXA011H	3809
UnderVoltage - 240V AC	1	▶ HXA014H	3809
UnderVoltage - 415V AC	1	▶ HXA015H	3809
Direct Rotary Handle	1	HXA030H	1914
Extended Rotary Handle	1	▶ HXA031H	2689
Spreaders - 3P	1	▶ HYA014H	735
Speaders - 4P	1	▶ HYA015H	987
Phase barriers - 3P / 4P	1	HYB019H	277
DIN Rail Adaptor	1	HYA033H	543

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
<b>X250 Frame MCCB</b>			
Auxiliary Contact	1	▶ HXA021H	1509
Alarm Contact	1	▶ HXA024H	1531
Shunt 24V DC	1	HXA001H	3160
Shunt 230V AC	1	▶ HXA004H	3160
UnderVoltage - 24V DC	1	HXA011H	3809
UnderVoltage - 240V AC	1	▶ HXA014H	3809
UnderVoltage - 415V AC	1	HXA015H	3809
Direct Rotary Handle	1	HXB030H	2014
Extended Rotary Handle	1	▶ HXB031H	3000
Motor Operator 240VAC	1	HXB042H	30929
Spreaders - 3P	1	▶ HYB011H	842
Speaders - 4P	1	▶ HYB012H	1146
Phase barriers - 3P / 4P	1	HYB019H	277
Mechanical Interlock	1	HXB065H	19260

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
<b>H1000 Frame MCCB</b>			
Auxiliary Contact	1	HXC021H	1629
Alarm Contact	1	HXC024H	1629
Shunt 24V DC	1	HXC001H	3777
Shunt 230V AC	1	HXC004H	3777
UnderVoltage - 24V DC	1	HXE011H	3322
UnderVoltage - 240V AC	1	HXE014H	3322
UnderVoltage - 415V AC	1	HXE015H	3322
Direct Rotary Handle	1	HXE030H	4316
Extended Rotary Handle	1	▶ HXE031H	7763
Motor Operator 240VAC	1	HXE042H	50172
Mechanical Interlock	1	HXE065H	118266

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	21723
Adjustable sensitivity till 6A, Adjustable tripping 1s, 125A, 3 Pole	1	HBA125H	25186
Adjustable sensitivity till 6A, Adjustable tripping 1s, 160A, 3 Pole	1	HBA160H	26927
"Idn=300 mA fixed sensitivity instantaneous tripping", 125A, 4 Pole	1	HBA128H	22596
Adjustable sensitivity till 6A, Adjustable tripping 1s, 125A, 4 Pole	1	HBA126H	26066
Adjustable sensitivity till 6A, Adjustable tripping 1s, 160A, 4 Pole	1	HBA161H	27803

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	19580





### 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	1005
	9A	230V 50/60Hz	1NO+1NC	1	EX000911D	1005
	9A	415V 50/60Hz	1NO+1NC	1	EX000911E	1005
HWC-12	12A	110V 50/60Hz	1NO+1NC	1	EX001211C	1120
	12A	230V 50/60Hz	1NO+1NC	1	EX001211D	1120
	12A	415V 50/60Hz	1NO+1NC	1	EX001211E	1120
HWC-16	16A	110V 50/60Hz	1NO+1NC	1	EX001611C	1280
	16A	230V 50/60Hz	1NO+1NC	1	EX001611D	1280
	16A	415V 50/60Hz	1NO+1NC	1	EX001611E	1280
HWC-18	18A	110V 50/60Hz	1NO+1NC	1	EX001811C	1280
	18A	230V 50/60Hz	1NO+1NC	1	EX001811D	1280
	18A	415V 50/60Hz	1NO+1NC	1	EX001811E	1280
HWC-22	22A	110V 50/60Hz	1NO+1NC	1	EX002211C	1830
	22A	230V 50/60Hz	1NO+1NC	1	EX002211D	1830
	22A	415V 50/60Hz	1NO+1NC	1	EX002211E	1830
HWC-25	25A	110V 50/60Hz	1NO+1NC	1	EX002511C	1830
	25A	230V 50/60Hz	1NO+1NC	1	EX002511D	1830
	25A	415V 50/60Hz	1NO+1NC	1	EX002511E	1830
HWC-32	32A	110V 50/60Hz	1NO+1NC	1	EX003211C	3660
	32A	230V 50/60Hz	1NO+1NC	1	EX003211D	3660
	32A	415V 50/60Hz	1NO+1NC	1	EX003211E	3660
HWC-40	40A	110V 50/60Hz	1NO+1NC	1	EX004011C	5765
	40A	230V 50/60Hz	1NO+1NC	1	EX004011D	5765
	40A	415V 50/60Hz	1NO+1NC	1	EX004011E	5765
HWC-50	50A	110V 50/60Hz	1NO+1NC	1	EX005011C	7155
	50A	230V 50/60Hz	1NO+1NC	1	EX005011D	7155
	50A	415V 50/60Hz	1NO+1NC	1	EX005011E	7155
HWC-65	65A	110V 50/60Hz	1NO+1NC	1	EX006511C	9695
	65A	230V 50/60Hz	1NO+1NC	1	EX006511D	9695
	65A	415V 50/60Hz	1NO+1NC	1	EX006511E	9695
HWC-75	75A	110V 50/60Hz	1NO+1NC	1	EX007511C	12580
	75A	230V 50/60Hz	1NO+1NC	1	EX007511D	12580
	75A	415V 50/60Hz	1NO+1NC	1	EX007511E	12580
HWC-85	85A	110V 50/60Hz	1NO+1NC	1	EX008511C	12580
	85A	230V 50/60Hz	1NO+1NC	1	EX008511D	12580
	85A	415V 50/60Hz	1NO+1NC	1	EX008511E	12580
HWC-100	100A	110V 50/60Hz	1NO+1NC	1	EX010011C	15700
	100A	230V 50/60Hz	1NO+1NC	1	EX010011D	15700
	100A	415V 50/60Hz	1NO+1NC	1	EX010011E	15700
HWC-160	160A	110V 50/60Hz	2NO+2NC	1	EX016022C	24240
	160A	230V 50/60Hz	2NO+2NC	1	EX016022D	24240
	160A	415V 50/60Hz	2NO+2NC	1	EX016022E	24240
HWC-185	185A	110V 50/60Hz	2NO+2NC	1	EX018522C	25855
	185A	230V 50/60Hz	2NO+2NC	1	EX018522D	25855
	185A	415V 50/60Hz	2NO+2NC	1	EX018522E	25855
HWC-225	225A	110V 50/60Hz	2NO+2NC	1	EX022522C	28075
	225A	230V 50/60Hz	2NO+2NC	1	EX022522D	28075
	225A	415V 50/60Hz	2NO+2NC	1	EX022522E	28075
HWC-265	265A	110V AC/DC	2NO+2NC	1	EX026522C	36005
	265A	230V AC/DC	2NO+2NC	1	EX026522G	36005
	265A	415V AC/DC	2NO+2NC	1	EX026522H	36005
HWC-330	330A	110V AC/DC	2NO+2NC	1	EX033022F	46965
	330A	230V AC/DC	2NO+2NC	1	EX033022G	46965
	330A	415V AC/DC	2NO+2NC	1	EX033022H	46965
HWC-400	400A	110V AC/DC	2NO+2NC	1	EX040022F	59705
	400A	230V AC/DC	2NO+2NC	1	EX040022G	59705
	400A	415V AC/DC	2NO+2NC	1	EX040022H	59705
HWC-630	630A	110V AC/DC	2NO+2NC	1	EX063022F	84095
	630A	230V AC/DC	2NO+2NC	1	EX063022G	84095
	630A	415V AC/DC	2NO+2NC	1	EX063022H	84095



**OLR (Over Load 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>	1705
	2.5-4A	1	<b>EXB00004B</b>	1705
	4-6A	1	<b>EXB00006B</b>	1705
	5.5-8A	1	<b>EXB00008B</b>	1705
	7-10A	1	<b>EXB00010B</b>	1705
	9-13A	1	<b>EXB00013B</b>	1705
	12-18A	1	<b>EXB00018B</b>	1705
	17-25A	1	<b>EXB000025B</b>	1705
HWR-38	23A-32A	1	<b>EXB00032C</b>	2965
	30A-38A	1	<b>EXB00038C</b>	2965
	23A-32A	1	<b>EXB000032C</b>	5215
	30A-40A	1	<b>EXB00040C</b>	5215
HWR-100	37A-50A	1	<b>EXB00050C</b>	5215
	48A-65A	1	<b>EXB00065C</b>	5215
	55A-70A	1	<b>EXB00070C</b>	5215
	63A-80A	1	<b>EXB00080C</b>	5215
HWR-200	80A-100A	1	<b>EXB00100C</b>	5215
	100A-200A	1	<b>EXB00200E</b>	17750
	125A-250A	1	<b>EXB00250F</b>	21250
HWR-630	200A-400A	1	<b>EXB00400F</b>	21250
	315A-630A	1	<b>EXB00630F</b>	21250

**Accessories for Power Contactor**

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
Aux Contact 2NO Top Mounted	10	<b>EXA000</b>	400
Aux Contact 1NO+1NC Top Mounted	10	<b>EXA001</b>	400
Aux Contact 2NC Top Mounted	10	<b>EXA002</b>	400
Aux Contact 4NO Top Mounted	10	<b>EXA003</b>	760
Aux Contact 3NO+1NC Top Mounted	10	<b>EXA004</b>	760
Aux Contact 2NO+2NC Top Mounted	10	<b>EXA005</b>	760
Aux Contact 1NO+3NC Top Mounted	10	<b>EXA006</b>	760
Aux Contact 1NC Top Mounted	10	<b>EXA007</b>	760
Aux Contact 1NO+1NC Side Mounted HWC-06~225	10	<b>EXA111</b>	790
Aux Contact 1NO+1NC Side Mounted HWC-265~630	10	<b>EXA112</b>	790
HWC-09-22 coil 110V 50/60Hz	5	<b>EXA201</b>	750
HWC-09-22 coil 230V 50/60Hz	5	<b>EXA202</b>	750
HWC-09-22 coil 415V 50/60Hz	5	<b>EXA203</b>	750
HWC-25-32 coil 110V 50/60Hz	7	<b>EXA211</b>	780
HWC-25-32 coil 230V 50/60Hz	7	<b>EXA212</b>	780
HWC-25-32 coil 415V 50/60Hz	7	<b>EXA213</b>	780
HWC-40-65 coil 110V 50/60Hz	2	<b>EXA221</b>	1100
HWC-40-65 coil 230V 50/60Hz	2	<b>EXA222</b>	1100
HWC-40-65 coil 415V 50/60Hz	2	<b>EXA223</b>	1100
HWC-75-100 coil 110V 50/60Hz	2	<b>EXA231</b>	1400
HWC-75-100 coil 230V 50/60Hz	2	<b>EXA232</b>	1400
HWC-75-100 coil 415V 50/60Hz	2	<b>EXA233</b>	1400



### MPCB (Motor Protection Circuit Breaker)

#### Characteristics:

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

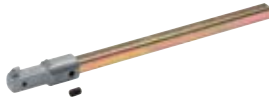
Frame	Rated Current (A)	Overload Protection Range	Breaking Capacity Icu	Pack Qty.	Cat. Ref.	Unit MRP (₹)
Fr-25	0.16	0.1-0.16A	100	1	<b>MMB50100</b>	2990
	0.25	0.16-0.25A	100	1	<b>MMB50200</b>	2990
	0.4	0.25-0.4A	100	1	<b>MMB50300</b>	2990
	0.63	0.4-0.63A	100	1	<b>MMB50400</b>	2990
	1	0.63-1A	100	1	<b>MMB50500</b>	2990
	1.6	1-1.6A	100	1	<b>MMB50600</b>	2990
	2.5	1.6-2.5A	100	1	<b>MMB50700</b>	2990
	4	2.5-4A	100	1	<b>MMB50800</b>	2990
	6.3	4-6.3A	100	1	<b>MMB50900</b>	2990
	10	6-10A	100	1	<b>MMB51000</b>	2990
	14	9-14A	100	1	<b>MMB51100</b>	2990
	18	13-18A	100	1	<b>MMB51200</b>	2990
	23	17-23A	100	1	<b>MMB51300</b>	2990
	25	20-25A	100	1	<b>MMB51400</b>	2990
Fr-80	32	23-32A	50	1	<b>MMB51600</b>	13135
	40	30-40A	50	1	<b>MMB51500</b>	13135
	65	48-65A	50	1	<b>MMB51700</b>	13135
	80	63-80A	50	1	<b>MMB51800</b>	13135

### Accessories for MPCB

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
MPCB FA0110 (1NO+1NC) Fault contact side mounted	3	<b>MMA01</b>	1000
MPCB AE11 (1NO+1NC) Aux contact top mounted	20	<b>MMA02</b>	1000
MPCB AU11 (1NO+1NC) Aux contact side mounted	4	<b>MMA03</b>	1000
MPCB AU20 (2NO) Aux contact side mounted	4	<b>MMA04</b>	1000



HI451I



HZC101I



HZC204I



VYE63M

### 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	▶ <b>HI403I</b>	6548
100A	1	▶ <b>HI405I</b>	9255
125A	1	▶ <b>HI451I</b>	14280
160A	1	▶ <b>HI452I</b>	15825
250A	1	▶ <b>HI454I</b>	26233
400A	1	▶ <b>HI456I</b>	39629
630A	1	▶ <b>HI458I</b>	48029
800A	1	<b>HI460I</b>	76491
1250A	1	<b>HI462I</b>	167860
1600A	1	<b>HI464I</b>	288555

\* includes bridging bars & external handle

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

# - 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

Description	Pack Qty.	Rating	Cat. Ref.	Unit MRP (₹)
63A FP MCOS Hinged Door Box	1	63A	▶ <b>VYE63M</b>	8125
100A FP MCOS Hinged Door Box	1	100A	▶ <b>VYE100M</b>	10648
125A FP MCOS Hinged Door Box	1	125A	▶ <b>VYE125M</b>	15378
160A FP MCOS Hinged Door Box	1	160A	▶ <b>VYE160M</b>	16850
250A FP MCOS Hinged Door Box	1	250A	▶ <b>VYE250M</b>	27071
400A FP MCOS Hinged Door Box	1	400A	<b>VYE400M</b>	41413
630A FP MCOS Hinged Door Box	1	630A	<b>VYE630M</b>	48008
800A FP MCOS Hinged Door Box	1	800A	<b>VYE800M</b>	75038
1250A FP MCOS Hinged Door Box	1	1250A	<b>VYE1250M</b>	174452



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>	62920
160A	1	▶ <b>HIB416I</b>	72643
250A	1	▶ <b>HIB425I</b>	90704
400A	1	▶ <b>HIB440I</b>	111654
630A	1	<b>HIB463I</b>	146506
800A	1	<b>HIB480I</b>	207048
1000A	1	<b>HIB490I</b>	218389
1250A	1	<b>HIB491I</b>	364024
1600A	1	<b>HIB492I</b>	339135

\* 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>	24500

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

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

#### Terminal covers

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

**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	2446
Mains 30A, Genset 2.5A	1	▶ EKS302B	2446
Mains 30A, Genset 3A	1	▶ EKS303B	2446
Mains 30A, Genset 4A	1	EKS304B	2446
Mains 30A, Genset 5A	1	▶ EKS305B	2446
Mains 30A, Genset 6A	1	▶ EKS306B	2446
Mains 30A, Genset 9A	1	▶ EKS309B	2446
Mains 30A, Genset 12A	1	EKS312B	2446
Mains 30A, Genset 15A	1	EKS315B	2446
Mains 30A, Genset 20A	1	▶ EKS320B	2446
Mains 30A, Genset 30A (without current limiting)	1	▶ EKS330B	2446



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	12618
Mains 40A, Genset 10A	1	EKT410SG	12618
Mains 40A, Genset 16A	1	EKT416SG	12618
Mains 40A, Genset 20A	1	EKT420SG	12618
Mains 40A, Genset 25A	1	EKT425SG	12618
Mains 40A, Genset 30A	1	EKT430SG	12618
Mains 63A, Genset 6A	1	EKT606SG	18624
Mains 63A, Genset 10A	1	EKT610SG	18624
Mains 63A, Genset 16A	1	EKT616SG	18624
Mains 63A, Genset 20A	1	EKT620SG	18624
Mains 63A, Genset 25A	1	EKT625SG	18624
Mains 63A, Genset 30A	1	EKT630SG	18624
Mains 63A, Genset 40A	1	EKT640SG	18624

#### TPN / TPN

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
Mains 40A, Genset 6A	1	EKT406TG	13217
Mains 40A, Genset 10A	1	EKT410TG	13217
Mains 40A, Genset 16A	1	EKT416TG	13217
Mains 40A, Genset 20A	1	EKT420TG	13217
Mains 40A, Genset 25A	1	EKT425TG	13217
Mains 40A, Genset 30A	1	EKT430TG	13217
Mains 63A, Genset 6A	1	EKT606TG	19224
Mains 63A, Genset 10A	1	EKT610TG	19224
Mains 63A, Genset 16A	1	EKT616TG	19224
Mains 63A, Genset 20A	1	EKT620TG	19224
Mains 63A, Genset 25A	1	EKT625TG	19224
Mains 63A, Genset 30A	1	EKT630TG	19224
Mains 63A, Genset 40A	1	EKT640TG	19224

#### TPN / TPN (without current limiting)

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
Mains 40A, Genset 40A	1	▶ EKT440TG	13217
Mains 63A, Genset 63A	1	▶ EKT663TG	31831

\*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>	595
1A, 1 module	12	-	-	<b>NCN101N</b>	595
2A, 1 module	12	-	-	<b>NCN102N</b>	595
3A, 1 module	12	-	-	<b>NCN103N</b>	595
4A, 1 module	12	-	-	<b>NCN104N</b>	595
6A, 1 module	12	<b>NBN106N</b>	376	<b>NCN106N</b>	367
10A, 1 module	12	<b>NBN110N</b>	376	<b>NCN110N</b>	367
16A, 1 module	12	<b>NBN116N</b>	376	<b>NCN116N</b>	367
20A, 1 module	12	<b>NBN120N</b>	376	<b>NCN120N</b>	367
25A, 1 module	12	<b>NBN125N</b>	376	<b>NCN125N</b>	367
32A, 1 module	12	<b>NBN132N</b>	376	<b>NCN132N</b>	367
40A, 1 module	12	<b>NBN140N</b>	814	<b>NCN140N</b>	844
50A, 1 module	12	<b>NBN150N</b>	814	<b>NCN150N</b>	844
63A, 1 module	12	<b>NBN163N</b>	814	<b>NCN163N</b>	844
<b>Double Pole (Suitable for 1P+N application)</b>					
0.5A, 2 module	6	-	-	<b>NCN200N</b>	1619
1A, 2 module	6	-	-	<b>NCN201N</b>	1619
2A, 2 module	6	-	-	<b>NCN202N</b>	1619
3A, 2 module	6	-	-	<b>NCN203N</b>	1619
4A, 2 module	6	-	-	<b>NCN204N</b>	1619
6A, 2 module	6	<b>NBN206N</b>	1129	<b>NCN206N</b>	1195
10A, 2 module	6	<b>NBN210N</b>	1129	<b>NCN210N</b>	1195
16A, 2 module	6	<b>NBN216N</b>	1129	<b>NCN216N</b>	1195
20A, 2 module	6	<b>NBN220N</b>	1129	<b>NCN220N</b>	1195
25A, 2 module	6	<b>NBN225N</b>	1129	<b>NCN225N</b>	1195
32A, 2 module	6	<b>NBN232N</b>	1129	<b>NCN232N</b>	1195
40A, 2 module	6	<b>NBN240N</b>	1811	<b>NCN240N</b>	1889
50A, 2 module	6	<b>NBN250N</b>	1811	<b>NCN250N</b>	1889
63A, 2 module	6	<b>NBN263N</b>	1811	<b>NCN263N</b>	1889
<b>Triple Pole</b>					
0.5A, 3 modules	4	-	-	<b>NCN300N</b>	2389
1A, 3 modules	4	-	-	<b>NCN301N</b>	2389
2A, 3 modules	4	-	-	<b>NCN302N</b>	2389
3A, 3 modules	4	-	-	<b>NCN303N</b>	2389
4A, 3 modules	4	-	-	<b>NCN304N</b>	2389
6A, 3 modules	4	<b>NBN306N</b>	1920	<b>NCN306N</b>	1917
10A, 3 modules	4	<b>NBN310N</b>	1920	<b>NCN310N</b>	1917
16A, 3 modules	4	<b>NBN316N</b>	1920	<b>NCN316N</b>	1917
20A, 3 modules	4	<b>NBN320N</b>	1920	<b>NCN320N</b>	1917
25A, 3 modules	4	<b>NBN325N</b>	1920	<b>NCN325N</b>	1917
32A, 3 modules	4	<b>NBN332N</b>	1920	<b>NCN332N</b>	1917
40A, 3 modules	4	<b>NBN340N</b>	2900	<b>NCN340N</b>	2908
50A, 3 modules	4	<b>NBN350N</b>	2900	<b>NCN350N</b>	2908
63A, 3 modules	4	<b>NBN363N</b>	2900	<b>NCN363N</b>	2908
<b>Four Pole (Suitable for 3P+N application)</b>					
0.5A, 4 modules	3	-	-	<b>NCN400N</b>	2974
1A, 4 modules	3	-	-	<b>NCN401N</b>	2974
2A, 4 modules	3	-	-	<b>NCN402N</b>	2974
3A, 4 modules	3	-	-	<b>NCN403N</b>	2974
4A, 4 modules	3	-	-	<b>NCN404N</b>	2974
6A, 4 modules	3	<b>NBN406N</b>	2468	<b>NCN406N</b>	2598
10A, 4 modules	3	<b>NBN410N</b>	2468	<b>NCN410N</b>	2598
16A, 4 modules	3	<b>NBN416N</b>	2468	<b>NCN416N</b>	2598
20A, 4 modules	3	<b>NBN420N</b>	2468	<b>NCN420N</b>	2598
25A, 4 modules	3	<b>NBN425N</b>	2468	<b>NCN425N</b>	2598
32A, 4 modules	3	<b>NBN432N</b>	2468	<b>NCN432N</b>	2598
40A, 4 modules	3	<b>NBN440N</b>	3560	<b>NCN440N</b>	3703
50A, 4 modules	3	<b>NBN450N</b>	3560	<b>NCN450N</b>	3703
63A, 4 modules	3	<b>NBN463N</b>	3560	<b>NCN463N</b>	3703



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. Curve D	Unit MRP (₹)
<b>Single Pole</b>			
0.5A, 1 module	12	<b>NDN100N</b>	588
1A, 1 module	12	<b>NDN101N</b>	588
2A, 1 module	12	<b>NDN102N</b>	588
3A, 1 module	12	<b>NDN103N</b>	588
4A, 1 module	12	<b>NDN104N</b>	588
6A, 1 module	12	▶ <b>NDN106N</b>	511
10A, 1 module	12	▶ <b>NDN110N</b>	511
16A, 1 module	12	▶ <b>NDN116N</b>	511
20A, 1 module	12	▶ <b>NDN120N</b>	511
25A, 1 module	12	▶ <b>NDN125N</b>	511
32A, 1 module	12	▶ <b>NDN132N</b>	511
40A, 1 module	12	<b>NDN140N</b>	910
50A, 1 module	12	<b>NDN150N</b>	910
63A, 1 module	12	<b>NDN163N</b>	910
<b>Double Pole (Suitable for 1P+N application)</b>			
0.5A, 2 modules	6	<b>NDN200N</b>	1646
1A, 2 modules	6	<b>NDN201N</b>	1646
2A, 2 modules	6	<b>NDN202N</b>	1646
3A, 2 modules	6	<b>NDN203N</b>	1646
4A, 2 modules	6	<b>NDN204N</b>	1646
6A, 2 modules	6	▶ <b>NDN206N</b>	1224
10A, 2 modules	6	<b>NDN210N</b>	1224
16A, 2 modules	6	▶ <b>NDN216N</b>	1224
20A, 2 modules	6	▶ <b>NDN220N</b>	1224
25A, 2 modules	6	▶ <b>NDN225N</b>	1224
32A, 2 modules	6	▶ <b>NDN232N</b>	1224
40A, 2 modules	6	▶ <b>NDN240N</b>	2011
50A, 2 modules	6	<b>NDN250N</b>	2011
63A, 2 modules	6	▶ <b>NDN263N</b>	2011
<b>Triple Pole</b>			
0.5A, 3 modules	4	<b>NDN300N</b>	2461
1A, 3 modules	4	<b>NDN301N</b>	2461
2A, 3 modules	4	<b>NDN302N</b>	2461
3A, 3 modules	4	<b>NDN303N</b>	2461
4A, 3 modules	4	<b>NDN304N</b>	2461
6A, 3 modules	4	<b>NDN306N</b>	1982
10A, 3 modules	4	<b>NDN310N</b>	1982
16A, 3 modules	4	<b>NDN316N</b>	1982
20A, 3 modules	4	<b>NDN320N</b>	1982
25A, 3 modules	4	<b>NDN325N</b>	1982
32A, 3 modules	4	▶ <b>NDN332N</b>	1982
40A, 3 modules	4	▶ <b>NDN340N</b>	3035
50A, 3 modules	4	<b>NDN350N</b>	3035
63A, 3 modules	4	▶ <b>NDN363N</b>	3035
<b>Four Pole (Suitable for 3P+N application)</b>			
0.5A, 4 modules	3	<b>NDN400N</b>	3030
1A, 4 modules	3	<b>NDN401N</b>	3030
2A, 4 modules	3	<b>NDN402N</b>	3030
3A, 4 modules	3	<b>NDN403N</b>	3030
4A, 4 modules	3	<b>NDN404N</b>	3030
6A, 4 modules	3	<b>NDN406N</b>	2635
10A, 4 modules	3	<b>NDN410N</b>	2635
16A, 4 modules	3	<b>NDN416N</b>	2635
20A, 4 modules	3	<b>NDN420N</b>	2635
25A, 4 modules	3	<b>NDN425N</b>	2635
32A, 4 modules	3	▶ <b>NDN432N</b>	2635
40A, 4 modules	3	▶ <b>NDN440N</b>	3926
50A, 4 modules	3	<b>NDN450N</b>	3926
63A, 4 modules	3	▶ <b>NDN463N</b>	3926





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. Curve C	Unit MRP (₹)
<b>Single Pole</b>			
80A, 1.5 modules	1	▶ <b>HLF180S</b>	3410
100A, 1.5 modules	1	▶ <b>HLF190S</b>	3791
125A, 1.5 modules	1	▶ <b>HLF199S</b>	4132
<b>Double Pole</b>			
80A, 3 modules	1	<b>HLF280S</b>	7549
100A, 3 modules	1	▶ <b>HLF290S</b>	7970
125A, 3 modules	1	<b>HLF299S</b>	8685
<b>Triple Pole</b>			
80A, 4.5 modules	1	▶ <b>HLF380S</b>	11874
100A, 4.5 modules	1	▶ <b>HLF390S</b>	12529
125A, 4.5 modules	1	<b>HLF399S</b>	13764
<b>Four Pole</b>			
80A, 6 modules	1	▶ <b>HLF480S</b>	15446
100A, 6 modules	1	▶ <b>HLF490S</b>	15899
125A, 6 modules	1	▶ <b>HLF499S</b>	17895



HLF499S



MZ215

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

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
Auxiliary contact (1NO + 1NC), 0.5 module (For MCBs only)	1	▶ <b>MZ201</b>	1453
Trip alarm contact (1NO + 1NC), 0.5 module (For MCBs only)	1	▶ <b>MZ202</b>	1716
Shunt trip 230V AC, 1 module	1	▶ <b>MZ203</b>	4182
Shunt trip 12-48V DC, 1 module	1	<b>MZ204</b>	4182
Undervoltage release, 230V AC, 1 module	1	▶ <b>MZ206</b>	3595
MCB Locking kit	2	<b>MZN175</b>	830
Auxiliary + alarm switch (for RCCB), 1 module	1	▶ <b>CZ001</b>	2744
Overvoltage release, 230V AC, $U_c > 280V$ , 1 module	1	▶ <b>MZ209</b>	4236
Overvoltage + Low voltage release, 230V AC, $60V AC < U < 170V AC$ , $U > 267V AC$ , 1 module	1	▶ <b>MZ215</b>	5690
Overvoltage release, 230V AC, $U > 275 V AC$ , 3 phase in 1 module Suitable for 3Ph+N	1	▶ <b>MZ216</b>	7638

**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>	9714
25A, 2 modules	1	10 mA	<b>CD225Y</b>	11140
	1	30 mA	▶ <b>CD225Y</b>	4118
	1	100 mA	▶ <b>CE225Y</b>	4616
	1	300 mA	▶ <b>CF225Y</b>	4634
40A, 2 modules	1	30 mA	▶ <b>CD240Y</b>	4823
	1	100 mA	▶ <b>CE240Y</b>	5205
	1	300 mA	▶ <b>CF240Y</b>	5367
63A, 2 modules	1	30 mA	▶ <b>CD263Y</b>	5823
	1	100 mA	▶ <b>CE263Y</b>	6293
	1	300 mA	▶ <b>CF263Y</b>	6339
100A, 2 modules	1	30 mA	<b>CDC284Y</b>	15838
	1	300 mA	<b>CEC284Y</b>	15838



CD440Y

### Four Pole

25A, 4 modules	1	30 mA	▶ <b>CD425Y</b>	5821
	1	100 mA	▶ <b>CE425Y</b>	6057
	1	300 mA	▶ <b>CF425Y</b>	6176
40A, 4 modules	1	30 mA	▶ <b>CD440Y</b>	5693
	1	100 mA	▶ <b>CE440Y</b>	6098
	1	300 mA	▶ <b>CF440Y</b>	6295
63A, 4 modules	1	30 mA	▶ <b>CD463Y</b>	6448
	1	100 mA	▶ <b>CE463Y</b>	7267
	1	300 mA	▶ <b>CF463Y</b>	7267
100A, 4 modules	1	30 mA	▶ <b>CDC484Y</b>	15984
	1	100 mA	▶ <b>CEC484Y</b>	15984
	1	300 mA	▶ <b>CFC484Y</b>	16237



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>	8819
	1	300 mA	<b>CQ225J</b>	8495
40A, 2 modules	1	30 mA	▶ <b>CH240J</b>	9182
	1	300 mA	▶ <b>CQ240J</b>	8790
63A, 2 modules	1	30 mA	▶ <b>CH263J</b>	9448
	1	300 mA	▶ <b>CQ263J</b>	9255



CH440J

### Four Pole

25A, 4 modules	1	30 mA	<b>CH425J</b>	9932
	1	300 mA	<b>CQ425J</b>	9439
40A, 4 modules	1	30 mA	▶ <b>CH440J</b>	10254
	1	300 mA	<b>CQ440J</b>	9835
63A, 4 modules	1	30 mA	<b>CH463J</b>	10431
	1	300 mA	<b>CQ463J</b>	10143



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>	5965
	1	100mA	<b>AE956Y</b>	6087
	1	300 mA	<b>AF956Y</b>	6314
10A, 2 modules	1	30 mA	▶ <b>AD960Y</b>	5965
	1	100mA	<b>AE960Y</b>	6087
	1	300 mA	<b>AF960Y</b>	6314
16A, 2 modules	1	30 mA	▶ <b>AD966Y</b>	5965
	1	100 mA	<b>AE966Y</b>	6087
	1	300 mA	<b>AF966Y</b>	6314
20A, 2 modules	1	30 mA	▶ <b>AD970Y</b>	5965
	1	100 mA	▶ <b>AE970Y</b>	6087
	1	300 mA	<b>AF970Y</b>	6314
25A, 2 modules	1	30 mA	▶ <b>AD975Y</b>	5965
	1	100mA	▶ <b>AE975Y</b>	6087
	1	300 mA	<b>AF975Y</b>	6314
32A, 2 modules	1	30 mA	▶ <b>AD982Y</b>	6273
	1	100mA	▶ <b>AE982Y</b>	6260
	1	300 mA	<b>AF982Y</b>	6644
40A, 2 modules	1	30 mA	▶ <b>AD990Y</b>	7439
	1	100mA	▶ <b>AE990Y</b>	7610
	1	300 mA	<b>AF990Y</b>	7485



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>	10789
	1	300 mA	<b>AFH956</b>	11419
10A, 2 modules	1	30 mA	<b>ADH960</b>	10789
	1	300 mA	<b>AFH960</b>	11419
16A, 2 modules	1	30 mA	▶ <b>ADH966</b>	10789
	1	300 mA	▶ <b>AFH966</b>	11419
20A, 2 modules	1	30 mA	▶ <b>ADH970</b>	10789
	1	300 mA	<b>AFH970</b>	11419
25A, 2 modules	1	30 mA	▶ <b>ADH975</b>	10789
	1	300 mA	<b>AFH975</b>	11419
32A, 2 modules	1	30 mA	▶ <b>ADH982</b>	12220
40A, 2 modules	1	30 mA	▶ <b>ADH990</b>	14426



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	▶ <b>ADC206Y</b>	4865
	1	100 mA	<b>AEC206Y</b>	6054
10A, 4 modules	1	30 mA	<b>ADC210Y</b>	5041
	1	100 mA	<b>AEC210Y</b>	6054
16A, 4 modules	1	30 mA	▶ <b>ADC216Y</b>	4663
	1	100 mA	▶ <b>AEC216Y</b>	5819
	1	300 mA	<b>AFC216Y</b>	6021
25A, 4 modules	1	30 mA	▶ <b>ADC225Y</b>	4800
	1	100 mA	▶ <b>AEC225Y</b>	6108
	1	300 mA	<b>AFC225Y</b>	6436
32A, 4 modules	1	30 mA	▶ <b>ADC232Y</b>	5094
	1	100 mA	▶ <b>AEC232Y</b>	5962
	1	300 mA	<b>AFC232Y</b>	6225
40A, 4 modules	1	30 mA	▶ <b>ADC240Y</b>	6061
	1	100 mA	▶ <b>AEC240Y</b>	6709
	1	300 mA	<b>AFC240Y</b>	6897
63A, 4 modules	1	30 mA	▶ <b>ADC263Y</b>	7757
	1	100 mA	▶ <b>AEC263Y</b>	8294
	1	300 mA	<b>AFC263Y</b>	8436



ADC425Y

**Four Pole**

16A, 6 modules	1	30 mA	▶ <b>ADC416Y</b>	6563
	1	100 mA	▶ <b>AEC416Y</b>	7396
	1	300 mA	<b>AFC416Y</b>	7630
25A, 6 modules	1	30 mA	▶ <b>ADC425Y</b>	7017
	1	100 mA	▶ <b>AEC425Y</b>	7577
	1	300 mA	▶ <b>AFC425Y</b>	7869
32A, 7 modules	1	30 mA	▶ <b>ADC432Y</b>	6769
	1	100 mA	▶ <b>AEC432Y</b>	7385
	1	300 mA	▶ <b>AFC432Y</b>	7611
40A, 7 modules	1	30 mA	▶ <b>ADC440Y</b>	6870
	1	100 mA	▶ <b>AEC440Y</b>	7481
	1	300 mA	▶ <b>AFC440Y</b>	7507
63A, 7 modules	1	30 mA	▶ <b>ADC463Y</b>	8456
	1	100 mA	▶ <b>AEC463Y</b>	8909
	1	300 mA	▶ <b>AFC463Y</b>	9064



BTC480E

### 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



BTH380E

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
<b>3P Type AC</b>			
125A, 30mA, instantaneous trip, 6 modules	1	<b>BDC380E</b>	20587
125A, adjustable sensitivity – 300/500mA/1A, 6 modules Trip time – Inst, 60 msec, 150 msec	1	<b>BTC380E</b>	22125
<b>4P Type AC</b>			
125A, 30mA, instantaneous trip, 6 modules	1	<b>BDC480E</b>	22967
125A, 300mA, instantaneous trip, 6 modules	1	<b>BFC480E</b>	22072
125A, adjustable sensitivity – 300/500mA/1A, 6 modules, Trip time – Inst, 60 msec, 150 msec	1	<b>BTC480E</b>	25693
<b>3P Type Hi</b>			
125A, 30mA, instantaneous trip, 6 modules	1	<b>BDH380E</b>	24477
125A, adjustable sensitivity – 300/500mA/1A, 6 modules, Trip time – Inst, 60 msec, 150 msec	1	<b>BTH380E</b>	29829
<b>4P Type Hi</b>			
125A, 30mA, instantaneous trip, 6 modules	1	<b>BDH480E</b>	27871
125A, 300mA, instantaneous trip, 6 modules	1	<b>BFH480E</b>	30671
125A, adjustable sensitivity – 300/500mA/1A, 6 modules, Trip time – Inst, 60 msec, 150 msec	1	<b>BTH480E</b>	33024



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>				
690V - 32A	12	Single Pole	▶ <b>LSN501</b>	403
	6	Double Pole	<b>LSN502</b>	674
<b>L51 fuse carriers</b>				
690V - 32A	1	Single Pole	<b>LS601</b>	1487
	1	Double Pole	<b>LS602</b>	3077



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>	80	
10 x 38 mm	10		2A	▶ <b>LF302G</b>	80	
breaking capacity: 120kA	10		4A	▶ <b>LF304G</b>	80	
	10		6A	▶ <b>LF306G</b>	80	
	10		10A	▶ <b>LF310G</b>	80	
	10		12A	▶ <b>LF312G</b>	80	
	10		16A	▶ <b>LF316G</b>	80	
	10		20A	▶ <b>LF320G</b>	80	
	10		25A	▶ <b>LF325G</b>	87	
	10		32A	▶ <b>LF332G</b>	94	
<b>Cartridge fuses</b>						
type gG	10		690 V AC	6A	<b>LF406G</b>	161
14 x 51 mm						
breaking capacity:	10	500 V AC	32A	<b>LF432G</b>	161	
2 to 25A : 80kA	10		40A	<b>LF440G</b>	161	
32 to 50A : 120kA	10	400 V AC	50A	<b>LF450G</b>	201	



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>	15151
Imax 12.5kA (Remote Signaling)	1	4P T1+T2 TNS/TT	▶ <b>SPL412R</b>	30323
<b>Type 2 products-main protection</b>				
Imax 20kA	1	2P T2 TNS/TT	▶ <b>SPL220</b>	8403
Imax 20kA	1	4P T2 TNS/TT	▶ <b>SPL420</b>	15967
Imax 40kA	1	2P T2 TNS/TT	▶ <b>SPL240</b>	9909
Imax 40kA	1	4P T2 TNS/TT	▶ <b>SPL440</b>	19457
Imax 65kA (Remote Signaling)	1	2P T2 TNS/TT	<b>SPL265R</b>	16937
Imax 65kA (Remote Signaling)	1	4P T2 TNS/TT	▶ <b>SPL465R</b>	33636
<b>Phase cartridges for</b>				
	1	SPL220/SPL420	<b>SPL020</b>	2726
	1	SPL240/SPL440	<b>SPL040</b>	3342
	1	SPL265R/SPL465R	<b>SPL065</b>	3999
<b>Neutral cartridges for</b>				
	1	SPL240/SPL440	<b>SPL040N</b>	5336
	1	SPL265R/SPL465R	<b>SPL065N</b>	6387



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	2933
40A, 2 modules	1	▶ SFT240N	4468
63A, 4 modules		▶ SF263	4741
<b>Four Pole</b>			
40A, 4 modules	1	▶ SFT440N	7197
63A, 8 modules	1	▶ SF463	7909



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	566
<b>Double Pole</b>			
25A, 1 module	1	▶ SBN225N	609
32A, 1 module	1	SBN232N	661
40A, 2 modules	1	▶ SBN240N	690
63A, 2 modules	1	▶ SBN263N	917
100A, 2 modules	1	SBN290N	1276
125A, 2 modules	1	SBN299N	1453
<b>Triple Pole</b>			
32A, 2 module	1	▶ SBN332N	1207
40A, 3 modules	1	▶ SBN340N	1222
63A, 3 modules	1	▶ SBN363N	1463
100A, 3 modules	1	▶ SBN390N	1702
125A, 3 modules	1	SBN399N	1962
<b>Four Pole</b>			
32A, 2 module	1	▶ SBN432N	1308
40A, 4 modules	1	▶ SBN440N	1534
63A, 4 modules	1	▶ SBN463N	1708
100A, 4 modules	1	▶ SBN490N	2141
125A, 4 modules	1	▶ SBN499N	2334



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>	1027
Red, 1 module	12	<b>SVN122</b>	1027
Orange, 1 module	12	<b>SVN123</b>	1027
Blue, 1 module	12	<b>SVN124</b>	1027
Red+Green indicator, 1 module	12	<b>SVN126</b>	1325
Red+Green+Orange indicator, 1 module	12	<b>SVN129</b>	1458
Red+Orange+Blue (RYB) indicator, 1 module	12	<b>SVN222</b>	1919



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>	1393
2NO, 1 module	1	<b>SVN332</b>	1431
1NO + 1NC, 1 module	1	<b>SVN352</b>	1431

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
<b>16A with green indicator</b>			
1NO, 1 module	1	<b>SVN413</b>	1983



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>	2762
1 NO+1NC, 25A, 1 module	1	<b>ESC227</b>	3005
2 NO, 40A, 3 modules	1	▶ <b>ESC240</b>	4811
2 NO, 63A, 3 modules	1	<b>ESC263</b>	6551
3 NO, 40A, 3 modules	1	<b>ESC340</b>	6571
3 NO, 63A, 3 modules	1	<b>ESC363</b>	8353
4 NO, 25A, 3 modules	1	<b>ESC425</b>	4310
4 NO, 40A, 3 modules	1	▶ <b>ESC440</b>	7905
2 NO+2NC, 40A, 3 modules	1	<b>ESC442</b>	7217
3 NO+1NC, 40A, 3 modules	1	<b>ESC443</b>	7018
4 NO, 63A, 3 modules	1	▶ <b>ESC463</b>	9418
2NO+2NC, 63A, 3 modules	1	<b>ESC465</b>	8426
3NO+1NC, 63A, 3 modules	1	<b>ESC466</b>	7321
Auxiliary contact 1NO+1NC	1	<b>ESC080</b>	2625



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>EH011</b>	
Quartz 1 channel 1 daily dial 3 modules	1	<b>EH111</b>	* price on request
Quartz 1 channel 1 daily dial	1	<b>EH711</b>	
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>	18172
Outdoor IP54 twilight switch 2 to 1000 lux	1	<b>EE702</b>	7639
Spare IP54 surface cell for EE100 & 110	1	<b>EE003</b>	7193



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 15 mins

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
Single lens, 360°, 6m dia detection 10A AC 1, 1 channel, surface mounted	1	<b>EE804A</b>	5070
Single lens, 360°, 6m dia detection 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>	
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>	
<b>Enhanced range</b>			
Movement detector, 140°, 16m front detection, 16A AC 1	1	<b>EE850</b>	
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>	



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 EE815 & EE816	1	<b>EE807</b>	* price on request
User remote control for EE816	1	<b>EE808</b>	
Surface mounting box (for EE810, EE811, EE812)	1	<b>EE813</b>	



EVN004

### Dimmers & dimming system

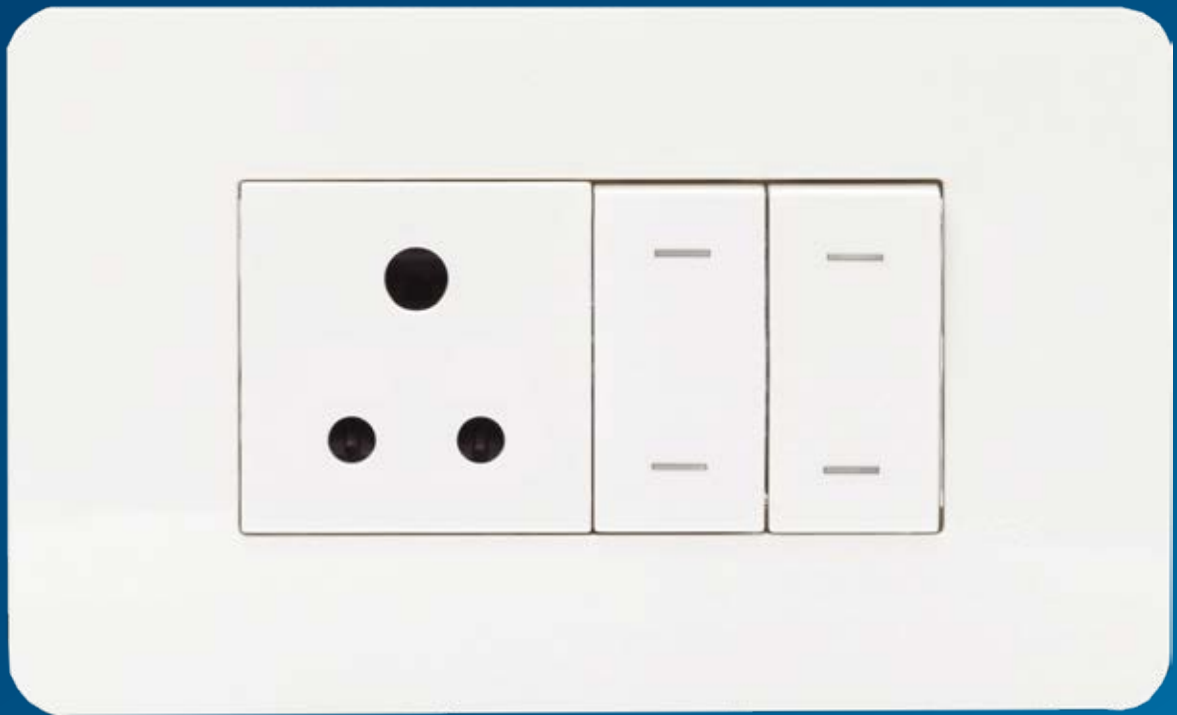
#### Characteristics:

- 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>	

# Wiring Accessories

insysta range of wiring accessories is tailor made to suit the requirement of Indian customers. The comprehensive range offers “AX” rated switches to switch inductive loads without derating the switches. insysta switches can be front loaded & removed, thus giving easy access when maintenance is required. The sockets & fan regulators are tested & conform to ISI standards and is marked giving utmost confidence to the users.





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WSNSW11

### insysta™ 6AX switches

Description	Module size	Cat. Ref.	Unit MRP (₹)
1 way glossy white	1	<b>WSNSW11</b>	165
1 way glossy white with LED	1	<b>WSNSL11</b>	261
1 way anthracite	1	<b>WSNSW11A</b>	201
1 way anthracite with LED	1	<b>WSNSL11A</b>	312
2 way glossy white	1	<b>WSNSW21</b>	235
2 way anthracite	1	<b>WSNSW21A</b>	279



WSNSW31

### insysta™ 10AX switches

Description	Module size	Cat. Ref.	Unit MRP (₹)
1 way glossy white	1	<b>WSNSW31</b>	205
1 way anthracite	1	<b>WSNSW31A</b>	249



WSNSW61

### insysta™ 16AX switches

Description	Module size	Cat. Ref.	Unit MRP (₹)
1 way glossy white	1	<b>WSNSW51</b>	311
1 way glossy white with LED	1	<b>WSNSL51</b>	296
1 way anthracite	1	<b>WSNSW51A</b>	336
1 way anthracite with LED	1	<b>WSNSL51A</b>	359
2 way glossy white	1	<b>WSNSW61</b>	335
2 way anthracite	1	<b>WSNSW61A</b>	404



WSNSL71

### insysta™ 20AX switches

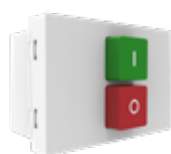
Description	Module size	Cat. Ref.	Unit MRP (₹)
1 way glossy white	1	<b>WSNSW71</b>	301
1 way glossy white with LED	1	<b>WSNSL71</b>	325
1 way anthracite	1	<b>WSNSW71A</b>	364
1 way anthracite with LED	1	<b>WSNSL71A</b>	385



WSNSW81

### insysta™ 20A / 32A Double Pole switches with LED

Description	Module size	Cat. Ref.	Unit MRP (₹)
20A DP 1 way glossy white	2	<b>WSNSW81</b>	660
20A DP 1 way anthracite	2	<b>WSNSL81A</b>	789
32A DP 1 way glossy white	2	<b>WSNSW92</b>	932
32A DP 1 way anthracite	2	<b>WSNSL92A</b>	1120



WSNMS12

### insysta™ 25A motor starter switches

Description	Module size	Cat. Ref.	Unit MRP (₹)
glossy white	3	<b>WSNMS12</b>	763
anthracite	3	<b>WSNMS12A</b>	915



WSNBP11

### insysta™ Push button

Description	Module size	Cat. Ref.	Unit MRP (₹)
6A glossy white	1	<b>WSNBP11</b>	239
6A glossy white with Indicator	1	<b>WSNBP21</b>	325
6A glossy white	2	<b>WSNBP12</b>	346
6A glossy white with Indicator	2	<b>WSNBP22</b>	415
6A anthracite	1	<b>WSNBP11A</b>	290
6A anthracite with Indicator	1	<b>WSNBP21A</b>	385
6A anthracite	2	<b>WSNBP12A</b>	415
6A anthracite with Indicator	2	<b>WSNBP22A</b>	505



WSNSK42

### insysta™ Sockets

Description	Module size	Cat. Ref.	Unit MRP (₹)
6 / 16A glossy white Protruded	2	<b>WSNSK42</b>	401
6 / 16A glossy white	3	<b>WSNSK53</b>	487
6 / 16A anthracite Protruded	2	<b>WSNSK42A</b>	482
6 / 16A anthracite	3	<b>WSNSK53A</b>	601
6A Indian socket glossy white	2	<b>WSNSK72</b>	291
6A Indian socket anthracite	2	<b>WSNSK72A</b>	386



WSNFC22

### insysta™ Regulators & dimmers

Description	Module size	Cat. Ref.	Unit MRP (₹)
100W glossy white fan regulator	1	<b>WSNFC11</b>	826
120W glossy white fan regulator	2	<b>WSNFC22</b>	1109
400W glossy white incandescent rotary dimmer	1	<b>WSNDM11</b>	1009
1000W glossy white incandescent rotary dimmer	2	<b>WSNDM22</b>	1997
100W anthracite fan regulator	1	<b>WSNFC11A</b>	971
120W anthracite fan regulator	2	<b>WSNFC22A</b>	1327
400W anthracite incandescent rotary dimmer	1	<b>WSNDM11A</b>	1198
1000W anthracite incandescent rotary dimmer	2	<b>WSNDM22A</b>	2399



WSNDS11

### insysta™ Data sockets

Description	Module size	Cat. Ref.	Unit MRP (₹)
glossy white RJ11 single	1	<b>WSNDS11</b>	258
glossy white RJ11 twin	1	<b>WSNDS21</b>	360
glossy white RJ45 cat 5e	1	<b>WSNDS31</b>	656
glossy white RJ45 cat 6	1	<b>WSNDS41</b>	760
anthracite RJ11 single	1	<b>WSNDS11A</b>	319
anthracite RJ11 twin	1	<b>WSNDS21A</b>	430
anthracite RJ45 cat 5e	1	<b>WSNDS31A</b>	792
anthracite RJ45 cat 6	1	<b>WSNDS41A</b>	910



WSNDT11



WSNDT31

### insysta™ VDI module & accessories

Description	Module size	Cat. Ref.	Unit MRP (₹)
glossy white HDMI Port	1	<b>WSNDT21</b>	1896
glossy white 3x female RCA AV Connector	1	<b>WSNDT31</b>	2554
glossy white female HD VGA 15AV Connector	1	<b>WSNDT42</b>	3288
glossy white Co-Axial TV socket	1	<b>WSNDT11</b>	207
glossy white cord outlet	1	<b>WSNDS71</b>	283
glossy white blanking plate	1	<b>WSNBK11</b>	50
anthracite HDMI Port	1	<b>WSNDT21A</b>	2274
anthracite 3x female RCA AV Connector	1	<b>WSNDT31A</b>	3002
anthracite female HD VGA 15AV Connector	1	<b>WSNDT42A</b>	3871
anthracite Co-Axial TV socket	1	<b>WSNDT11A</b>	259
anthracite cord outlet	1	<b>WSNDS71A</b>	342
anthracite blanking plate	1	<b>WSNBK11A</b>	58



WSNDS51

**insysta™ USB sockets**

Description	Module size	Cat. Ref.	Unit MRP (₹)
glossy white USB Port	1	<b>WSNDS51</b>	1519
anthracite USB Port	1	<b>WSNDS51A</b>	1818
2A glossy white USB charger	1	<b>WSNDS61</b>	2704
2A anthracite USB charger	1	<b>WSNDS61A</b>	3071

- For charging purpose please select USB charger. USB ports to be used for data transfer.



WSNHS22

**insysta™ Hospitality range**

Description	Module size	Cat. Ref.	Unit MRP (₹)
<b>DND / MMR</b>			
glossy white external DND/MMR with door bell switch & light indicator for DND/MMR	2	<b>WSNHS12</b>	1763
glossy white internal DND/MMR control & light indicator for DND/MMR	2	<b>WSNHS22</b>	1293
anthracite external DND/MMR with door bell switch & light indicator DND/MMR	2	<b>WSNHS12A</b>	2116
anthracite internal DND/MMR control & light indicator for DND/MMR	2	<b>WSNHS22A</b>	1550



WSNHS12

**Hotel card unit**

glossy white hotel key card	2	<b>WSNHS33</b>	4443
anthracite hotel key card	2	<b>WSNHS33A</b>	5399

**Shaver socket**

glossy white shaver socket	4	<b>WSNHS44</b>	5289
anthracite shaver socket	4	<b>WSNHS44A</b>	6347

**Skirting light**

glossy white skirting light with white LED	2	<b>WSNHS52</b>	917
anthracite skirting light with white LED	2	<b>WSNHS52A</b>	1130



WSNHS62

**Buzzer**

glossy white buzzer	2	<b>WSNHS62</b>	1175
anthracite buzzer	2	<b>WSNHS62A</b>	1410

**Volume controller**

glossy white volume controller	2	<b>WSNHS72</b>	1519
anthracite volume controller	2	<b>WSNHS72A</b>	1690

**insysta™ Cover plates - Plastic**



WSNCG1

Pack qty.	Module size	Glossy white		Anthracite (Dark Gray)		Aluminium	
		Cat. Ref.	Unit MRP (₹)	Cat. Ref.	Unit MRP (₹)	Cat. Ref.	Unit MRP (₹)
15	1	<b>WSNCG1</b>	158	<b>WSNCG1A</b>	290	<b>WSNCG1S</b>	284
15	2	<b>WSNCG2</b>	165	<b>WSNCG2A</b>	308	<b>WSNCG2S</b>	301
10	3	<b>WSNCG3</b>	188	<b>WSNCG3A</b>	323	<b>WSNCG3S</b>	327
10	4	<b>WSNCG4</b>	193	<b>WSNCG4A</b>	374	<b>WSNCG4S</b>	369
5	6	<b>WSNCG6</b>	358	<b>WSNCG6A</b>	615	<b>WSNCG6S</b>	622
5	8	<b>WSNCG8</b>	424	<b>WSNCG8A</b>	682	<b>WSNCG8S</b>	662
5	8	<b>WSNCGS8</b>	504	<b>WSNCGS8A</b>	892	<b>WSNCGS8S</b>	874
5	12	<b>WSNCG12</b>	640	<b>WSNCG12A</b>	1158	<b>WSNCG12S</b>	1135
5	18	<b>WSNCG18</b>	867	<b>WSNCG18A</b>	1528	<b>WSNCG18S</b>	1496

**insysta™ Cover plates - Real material**



WSNCG1GW

Pack qty.	Module size	White glass		Black glass	
		Cat. Ref.	Unit MRP (₹)	Cat. Ref.	Unit MRP (₹)
1	1	<b>WSNCG1GW</b>	2013	<b>WSNCG1GB</b>	2079
1	2	<b>WSNCG2GW</b>	2262	<b>WSNCG2GB</b>	2327
1	3	<b>WSNCG3GW</b>	2872	<b>WSNCG3GB</b>	2936
1	4	<b>WSNCG4GW</b>	2960	<b>WSNCG4GB</b>	3020
1	6	<b>WSNCG6GW</b>	4152	<b>WSNCG6GB</b>	4216
1	8	<b>WSNCG8GW</b>	4973	<b>WSNCG8GB</b>	4894
1	8	<b>WSNCGS8GW</b>	4960	<b>WSNCGS8GB</b>	5020
1	12	<b>WSNCG12GW</b>	5594	<b>WSNCG12GB</b>	5661



WSNG3

**insysta™ Grid plates - Real material**

Description	Pack qty.	Module size	Cat. Ref.	Unit MRP (₹)
Grid Plate - 1 module	1	1	<b>WSNG1</b>	98
Grid Plate - 2 module	1	2	<b>WSNG2</b>	98
Grid Plate - 3 module	1	3	<b>WSNG3</b>	109
Grid Plate - 4 module	1	4	<b>WSNG4</b>	144
Grid Plate - 6 module	1	6	<b>WSNG6</b>	196
Grid Plate - 8 module (Horizontal)	1	8	<b>WSNG8</b>	241
Grid Plate - 8 module (Square)	1	8	<b>WSNG8S</b>	253
Grid Plate - 12 module	1	12	<b>WSNG12</b>	364



WSNMB3

**insysta™ Wall boxes**

Description	Pack qty.	Module size	Cat. Ref.	Unit MRP (₹)
Metal Mounting Boxes 1 & 2	60	2	<b>WSNMB2</b>	122
Metal Mounting Boxes 3 module	45	3	<b>WSNMB3</b>	122
Metal Mounting Boxes 4 module	30	4	<b>WSNMB4</b>	160
Metal Mounting Boxes 6 module	20	6	<b>WSNMB6</b>	252
Metal Mounting Boxes 8 module (Horizontal)	15	8	<b>WSNMB8H</b>	297
Metal Mounting Boxes 8 module (Square)	24	8	<b>WSNMB8R</b>	297
Metal Mounting Boxes 12 module	16	12	<b>WSNMB12</b>	448
Metal Mounting Boxes 18 module	10	18	<b>WSNMB18</b>	566

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**Dispatch lead time for non-stockable references:**

- MCBs / RCCBs / RCBOs - 2 weeks
- novello<sup>+</sup> distribution boards - 4 - 6 weeks
- golf, vector enclosures & MCCBs - 8 weeks
- Manual changeover switches - 4 - 6 weeks
- Automatic transfer switches - 6 - 8 weeks
- Others - 4 - 6 weeks
- The above delivery lead times are subject to change without prior notice. Please contact your nearest Sales representative / Office for latest delivery lead times.

**Terms & Conditions**

- Price means Maximum Retail Price (M.R.P).
- This price list supercedes all previous price list.
- Price is in Indian Rupees ( ₹ ) and inclusive of GST / taxes / duties as applicable.
- Delivery term is "Door Delivery".
- Prices are subject to revision without notice. All dispatch will be as per price prevailing on the date of invoice.
- Enclosures / Distribution Boards have the provision for fixing the component as shown in the photograph.
- For all Insysta Color reference and real material, minimum ordering quantity will be applicable. Please connect with sales representative for details regarding MOQ.
- All the products listed in the price list carry a warranty, against manufacturing defects for a period of 24 months from the date of invoicing.
- The warranty is however subject to proper usage and maintenance and does not cover defects arising out of improper installation, inefficient maintenance, faulty operation and willful or accidental damage including nonperformance, which is caused by an event constituting Force Majeure, i.e. including (but not limited to) pandemic, fire, floods, administrative orders etc.
- Hager and / or manufacturer shall not be liable for any consequential loss, including personal injury or damages arising out of, or in connection with, defects in the Products including claim by third party.
- Proof of purchase to be retained to avail warranty.

\* Product development is a continuous process and hence the described content in the pricelist are subject to change without prior notice. Contact your nearest Hager Partner for the latest information.

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