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Assurance of
a Safe Life

7
YEAR WARRANTY
For 10kA series



ABOUT

POLYCAB INDIA LTD

No. 1

Manufacturer of cables and wires in India

28

State-Of-The-Art Manufacturing Facilities

Manufacturing Capacity

- 6 Million KM of cables
- 9 Million Fans
- 24 Million Switchgears
- 12 Million Switches

Polycab India Limited.

We're the leading name in India for wires and cables. We're everywhere you need us, with over 4,300 stores and 2,05,000 shops across India. Beyond that, our products are used in over 80+ countries. We're more than just wires. We have 28 manufacturing facilities across India, making the power that fuels your daily routine. We've got over 14 offices and 28 warehouses and depots to keep things running smoothly, so you get what you need, fast. We value substance, not just style. As a company with great business practices, you're our number one priority. Happy customers make us happy. Our 4,400+ amazing employees work hard to bring you the best quality and safest products that power your home. We like to give back to communities and protect the environment while we're at it.



500+ Service Centers Across India



World-class Design and Development Centre



Export Presence in 80 Countries



NABL ISO 17025 Certified R&D Centre



In-house Software and Hardware Development Centre

CRAFTING ELEGANCE

Discover the epitome of precision in our factory-crafted switchgears, where meticulous production meets refined aesthetics. Each component is expertly engineered as we believe, safety is not just a standard but a commitment. From the sleek design of circuit breakers to the elegant finish of distribution boards, every detail reflects our commitment to sophistication in protection.

Utilizing state-of-the-art manufacturing technology and premium materials, our switchgears transcend mere utility, embodying an elevated standard of industrial artistry, as they undergo rigorous testing, surpassing industry benchmarks and aligning seamlessly with the Bureau of Indian Standards (BIS). Experience excellence in every switchgear we produce.



MANUFACTURING CAPABILITIES



Inward Inspection

To ensure that raw materials meet specified quality standards, a series of tests are performed by our quality assurance team. We deploy advanced material inspection technologies to ascertain that the raw materials have expected characteristics like hardness, anti-corrosiveness, and durability.



Testing Beyond Standards

At the heart of our manufacturing facility lies our cutting-edge testing facility. Switchgears undergo rigorous tests, ensuring safety and performance that surpasses the ordinary, offering you unmatched safety.



Certification

Due to the state-of-the-art technology and high quality-control parameters, our Switchgear products conform to National & International standards of IS/IEC 60898-1, IEC/EN 60898-1, IS/ 12640 - 1/IEC 61008 - 1, IS/ 12640 - 2/IEC 61009 - 1, IS/IEC 60947-1, IS/IEC 60947-2, IS/IEC 60947-3, BIS, CB, DEKRA & UL Certification



R&D

To meet the demands of the changing world, our research and development team relentlessly innovates new products. We regularly validate our products by performing tests for automatic tripping characteristics, internal temperature rise, electrical endurance, ageing and reliability for ensuring a long-lasting circuit breaker.



Quality

Rigorous testing is carried out in our advanced laboratory to make sure that the poles are safe, durable, and fit for different environments. Our high-speed MCB automatic line has a built-in inspection system at each station where the unfit poles are filtered out, thereby enabling high volume production along with high accuracy and precision.



WHY POLYCAB SWITCHGEARS?

Unveil unparalleled reliability and safety across our comprehensive range of Miniature Circuit Breakers (MCBs), Residual Current Circuit Breaker (RCCB/ELCB), and Residual Current Circuit Breaker with Overcurrent Protection (RCBO/EL+MCB), Isolator, MCB Changeover Switch, ACCL & Distribution Boards. Crafted to safeguard your electrical circuits from overload and short circuits, our diverse selection of MCBs, RCCBs, and RCBOs deliver precision and durability. Whether you're a homeowner, electrician, or industrial professional, we offer an array of solutions to meet your specific protection requirements.

Engineered with advanced thermal and magnetic trip mechanisms, our protective devices ensure prompt and dependable circuit interruption, fortifying your electrical systems against potential hazards. Furthermore, our compact designs and user-friendly installation procedures make our products suitable for both new installations and retrofit projects. At the core of our electrical protection offerings lies our dedication to quality, performance, and innovation. Compliant with rigorous international standards and subjected to comprehensive testing, our MCBs, RCCBs, and RCBOs deliver exceptional performance and assurance in any electrical setting. Explore our catalogue today and uncover why discerning professionals entrust our protective devices for their critical circuit protection needs.



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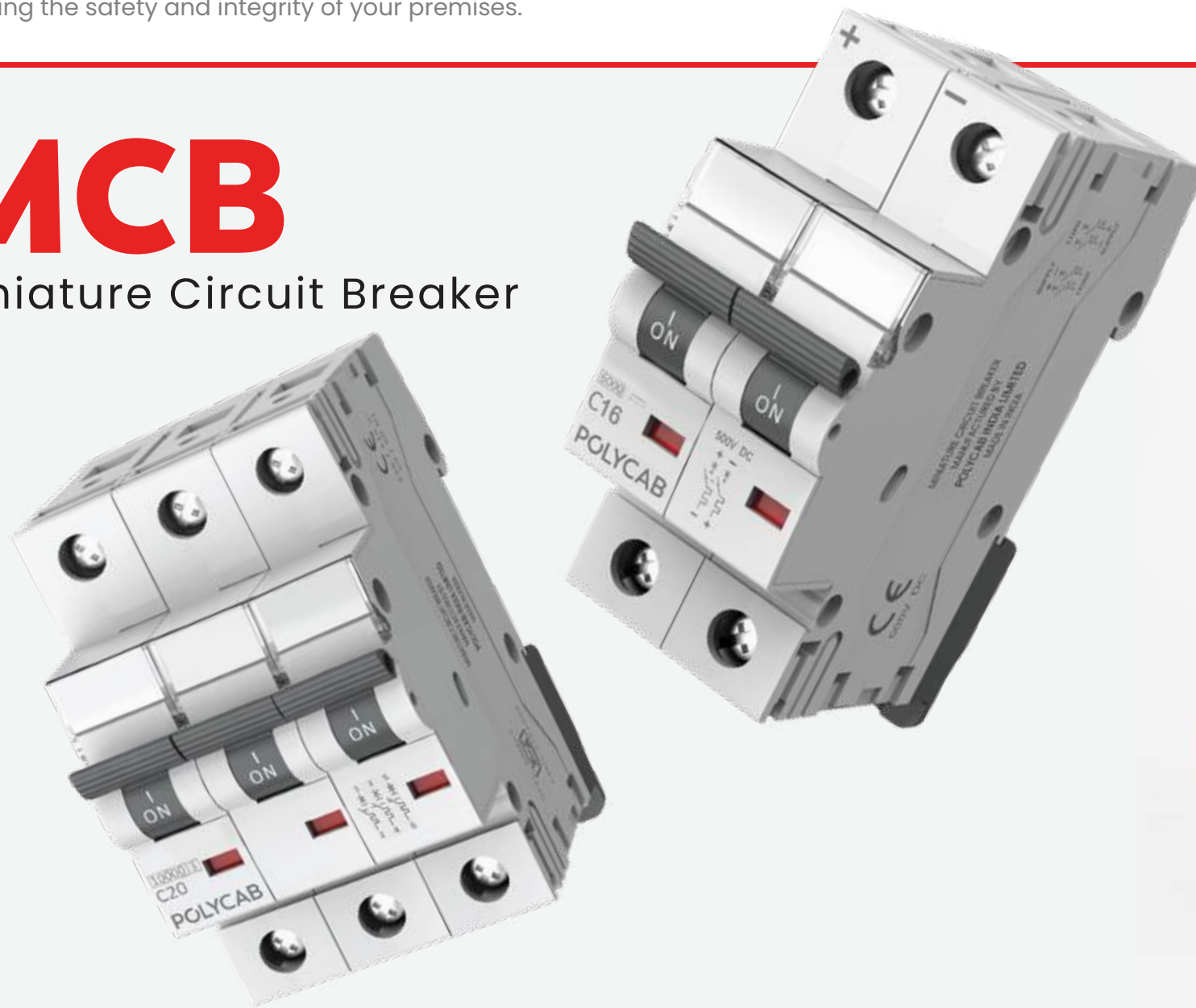
Have you ever considered the necessity of integrating an MCB within your electrical infrastructure?

Within the confines of your residence or office spaces, when there is an unexpected over current/ short circuit perhaps due to an excessive load on the circuit or an irregularity within the wiring, such over current/short circuit pose a considerable risk, potentially leading to equipment damage or, worse yet, fire hazards.

MCBs serve as a vigilant guardian of your electrical network. Swift to detect anomalies, it promptly intervenes, isolating the faulty circuit and averting potential calamities, thereby ensuring the safety and integrity of your premises.

MCB

Miniature Circuit Breaker



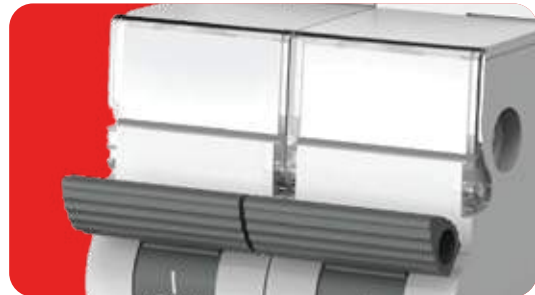
What sets Polycab's MCBs apart from others?

The answer lies in our unwavering commitment to engineering excellence and reliability. Equipped with advanced trip mechanism, our MCBs boast unparalleled responsiveness, promptly identifying and mitigating overload and short circuit. Moreover, our product line encompasses a diverse array of configurations and specifications tailored to suit the varied needs of homeowners, electrical contractors, and industrial operators alike. In selecting our MCBs, rest assured that you are investing in not only superior quality but also in the safeguarding of your electrical infrastructure against unforeseen contingencies.



**A VIGILANT GUARDIAN OF
YOUR ELECTRICAL NETWORK**

10kA MCB FEATURES



Attractive Label Holder

MCB is provided with transparent label holder which is positioned on top of the knob for inserting labels for circuit identification and hence reducing maintenance down time.



Positive Contact Position Indication

Red and Green flag indication provided below the knob gives indication of positive electrical ON/OFF contact status irrespective of mounting or knob position even from a distance.



Enhanced Safety

Finger proof terminals are designed to eliminate accidental contact with live part complying with IP20 protection category. Install, operate and maintain our MCBs with confidence.



Ease of Tightening

Input and output clamps on the MCB is provided with combi-head screws which have both the standard slot as well as double head which can be tightened by standard screwdriver as well as Philip screwdriver thus catering to tool availability.



Bi-stable Din Clip Position

Convenience of mounting on Din Rail is easy with MCB. And also, the MCBs can be easily changed from a bank of devices connected by a busbar without disturbing your existing wiring.



High Quality Contacts

Silver graphite/alloy anti-weld contacts ensure higher life and maximum safety against contact welding thus enhancing safety and life of the device.



Air Flow Channel

When two or more poles are placed adjacent to each other, the designed depression in the body cover forms a tunnel and serves as paths for air circulation thus hot air is expelled out faster resulting in reduced body temperature.



Large & Dual Terminal

MCBs can accommodate cables upto 35sq.mm cross section area thus making it suitable for copper as well as aluminium cables. Both cable and busbar can be terminated at both the end.



Aesthetically Designed with Safety

Aesthetically designed Flame Retardant body ensures safety in case of an accidental fire & Shutter terminals provides safety against wrong placed wiring.



Energy Limiting Class-3

Rapid arc quenching mechanism in our MCB ensures extinguishing of the arc within quarter cycle (3 to 5 milliseconds) thus minimizing the energy flow through the circuit. This ensures minimizing risk of fire and maximizing the life of your equipment.



13 Plates Arc Chamber

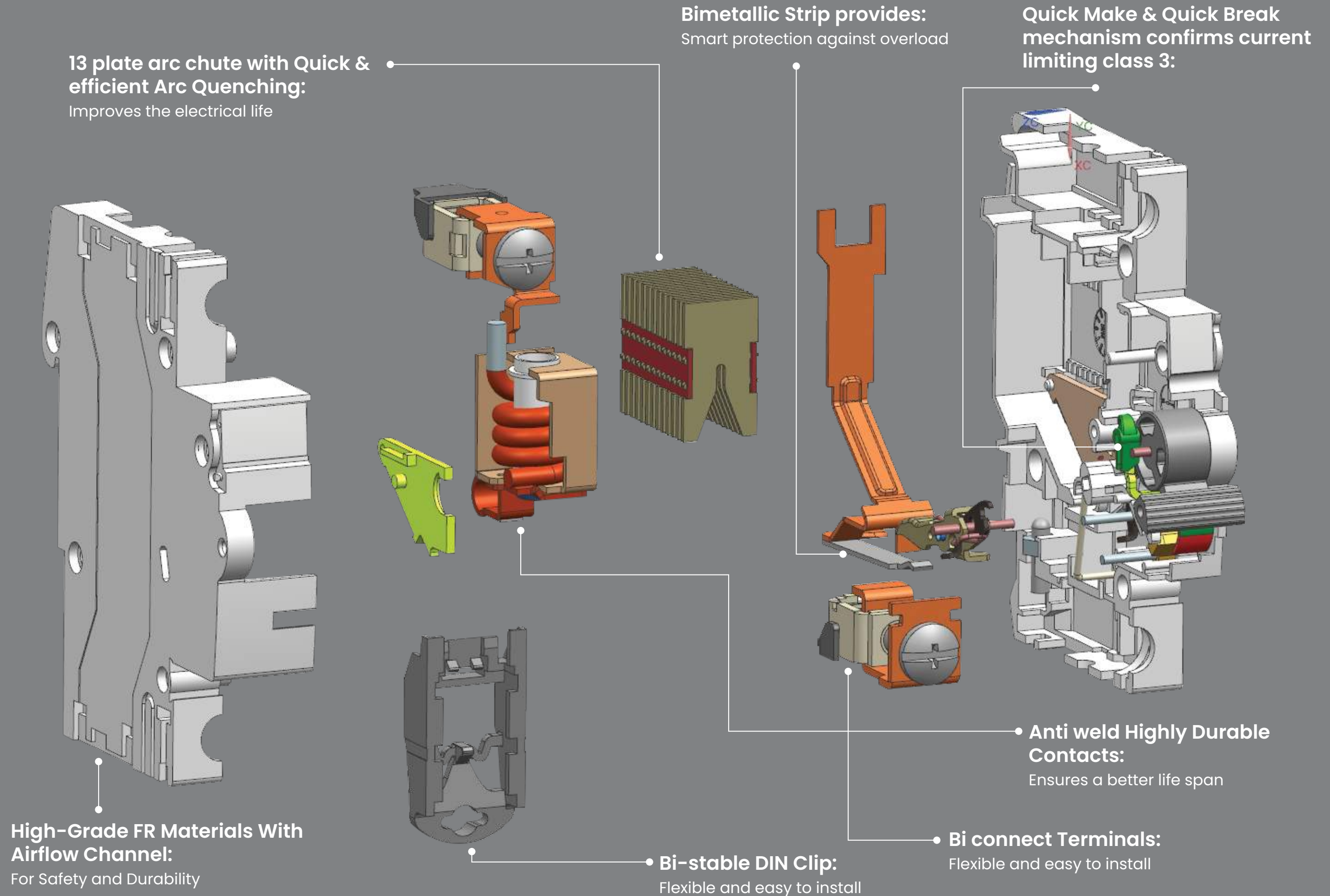
Quick & Efficient Arc Quenching.



Energy Saver

Power loss values upto 70% lesser than specified by IEC/IS; making MCB one of the most energy efficient MCB.

10kA MCB EXPLODED VIEW



MINIATURE CIRCUIT BREAKER (MCB)

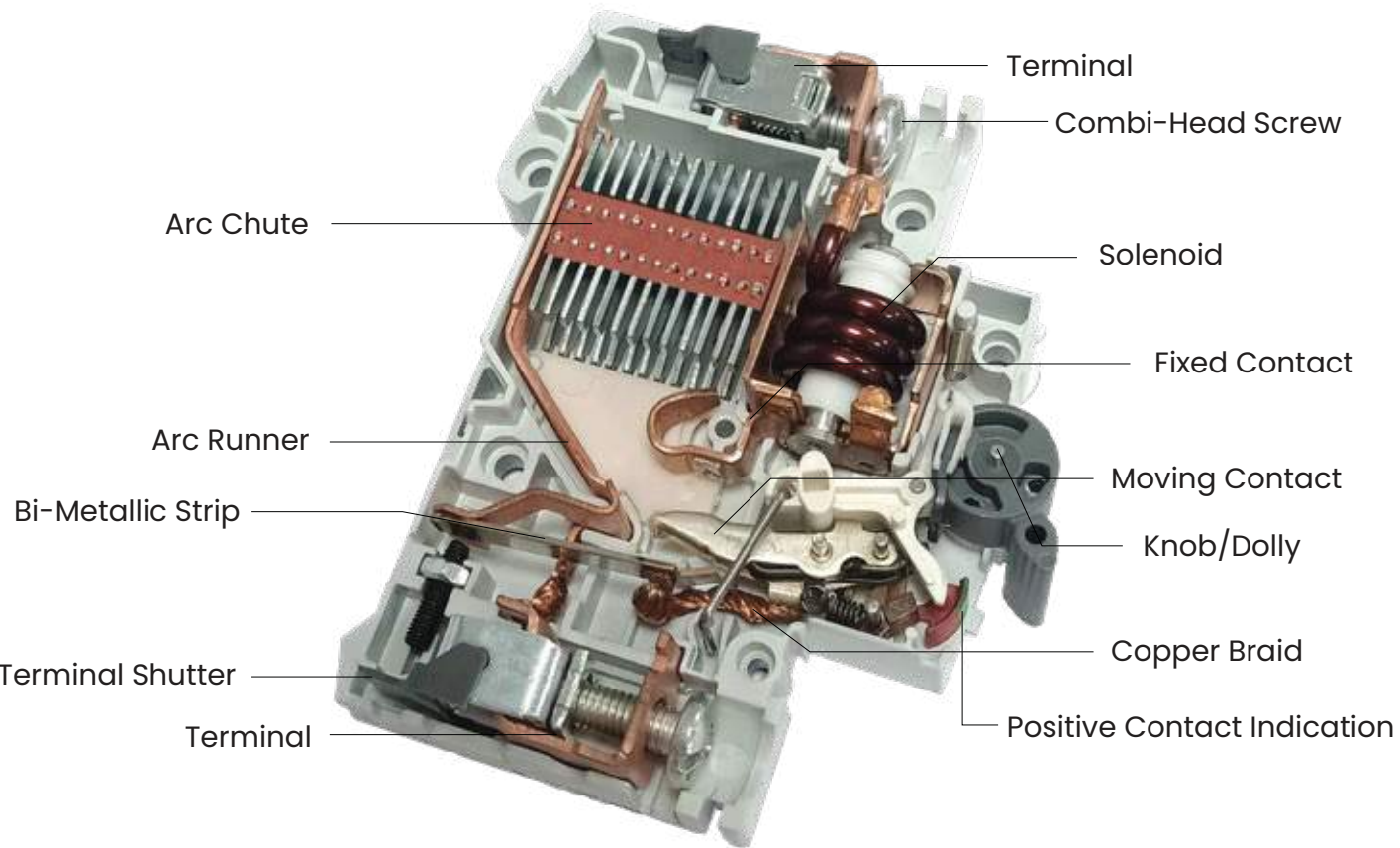
Miniature Circuit Breakers are electromechanical devices which protect an electrical circuit from an overcurrent. The overcurrent, in an electrical circuit, may result from short circuit, overload or faulty design. A MCB is a better alternative to a fuse since it does not require replacement, once an overload is detected. Unlike fuse, a MCB can be easily reset and thus offers improved operational safety and greater convenience without incurring large operating cost.

Construction

A MCB embodies complete enclosure in a moulded insulating material. This provides mechanically strong and insulated housing. The switching system consists of a fixed and a moving contact assembly to which incoming and outgoing wires are connected. The metal or current carrying parts are made up of electrolytic copper or copper alloy depending on the rating of the circuit breaker.

As the contacts are separated in the event of an overload or short circuit situation, an electric arc is formed. MCBs are designed to handle arc interruption process where arc energy extraction and its cooling are provided by metallic arc splitter plates. These plates are held in a proper position by an insulating material. Also, arc runner is provided to force the arc towards the arc chute that is produced between the main contacts.

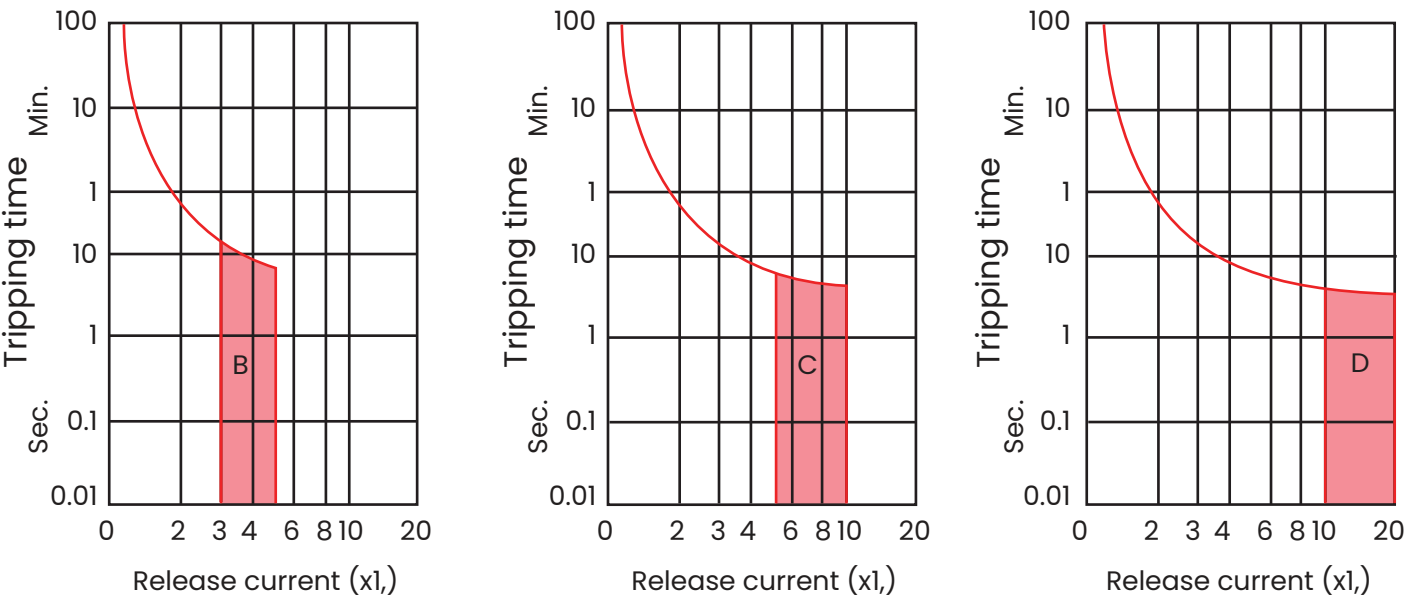
Components of MCB



Technology continues to evolve in the field of LV power distribution and protection. 30 years ago the specifier/installer was typically faced with the decision on what size fuse wire to use. Now they must consider which MCB, RCCB or RCBO to install, with even more choice than ever on what levels of protection against the effects of electrical fault to afford.

MCB Characteristics Curve

Characteristic curve is the curve between release current and tripping time. MCB have Type B characteristic curves
Type C characteristic curves
Type D characteristic curves



| As Per | Thermal Tripping | | | Magnetic Tripping | | |
|----------------|---------------------|---------------------|--------|-------------------|-------------------|--------|
| | No Tripping | Tripping | Time | Hold | Trip | Time |
| IS/IEC 60898-1 | Current | Current | Limits | Current | Current | Limits |
| | L1 | L2 | T | L4 | L5 | T |
| B Curve | 1.13xI _n | | ≥1h | 3xI _n | | ≥0.1s |
| | | 1.45xI _n | <1h | | 5xI _n | <0.1s |
| C Curve | 1.13xI _n | | ≥1h | 5xI _n | | ≥0.1s |
| | | 1.45xI _n | <1h | | 10xI _n | <0.1s |
| D Curve | 1.13xI _n | | ≥1h | 10xI _n | | ≥0.1s |
| | | 1.45xI _n | <1h | | 20xI _n | <0.1s |

The essential distinction between Type B, C or D devices is based on their ability to handle short circuit currents without tripping. These are, typically, inrush currents associated with fluorescent and other forms of discharge lighting, induction motors, battery charging equipment etc.

MINIATURE CIRCUIT BREAKER (MCB)

Type B devices are generally suitable for domestic application. They may also be used in light commercial application where switching surges are low or non-existent. Type B devices are designed to trip at fault current between 3 to 5 times rated current. For example a 10A MCB will trip between 30A to 50A.

Type C devices are the normal choice for commercial and industrial applications where fluorescent lighting, motors etc. are in use.

Type C devices are designed to trip between 5 to 10 times of rated current (50-100A for a 10A MCB).

Type D devices are suitable for that devices which experience high inrush currents, such as welding equipment, X-ray machines, large motors, transformers, and uninterruptible power supply units.

Type D devices are designed to trip between 10 to 20 times of rated current (100-200A for a 10A MCB).

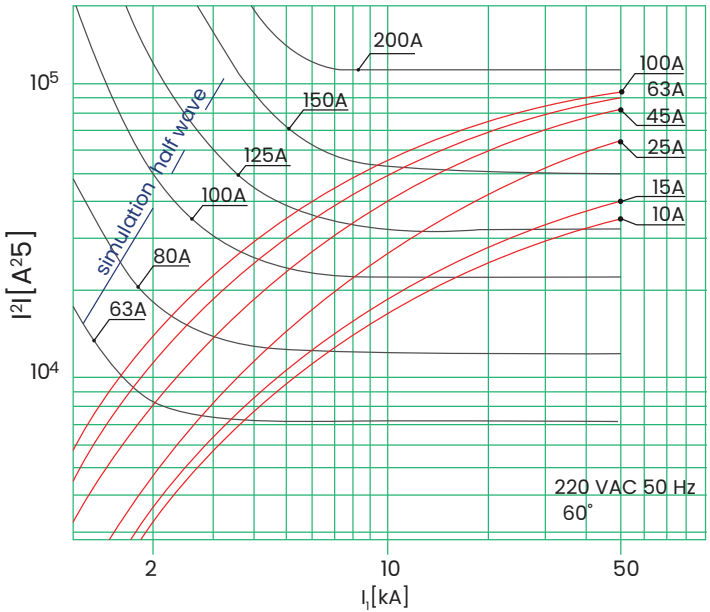
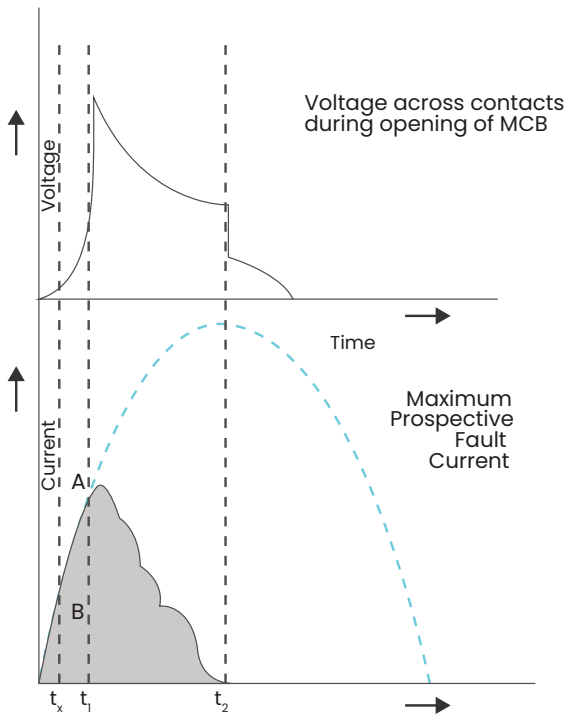
Current Limiting Design



10kA MCB



6kA MCB

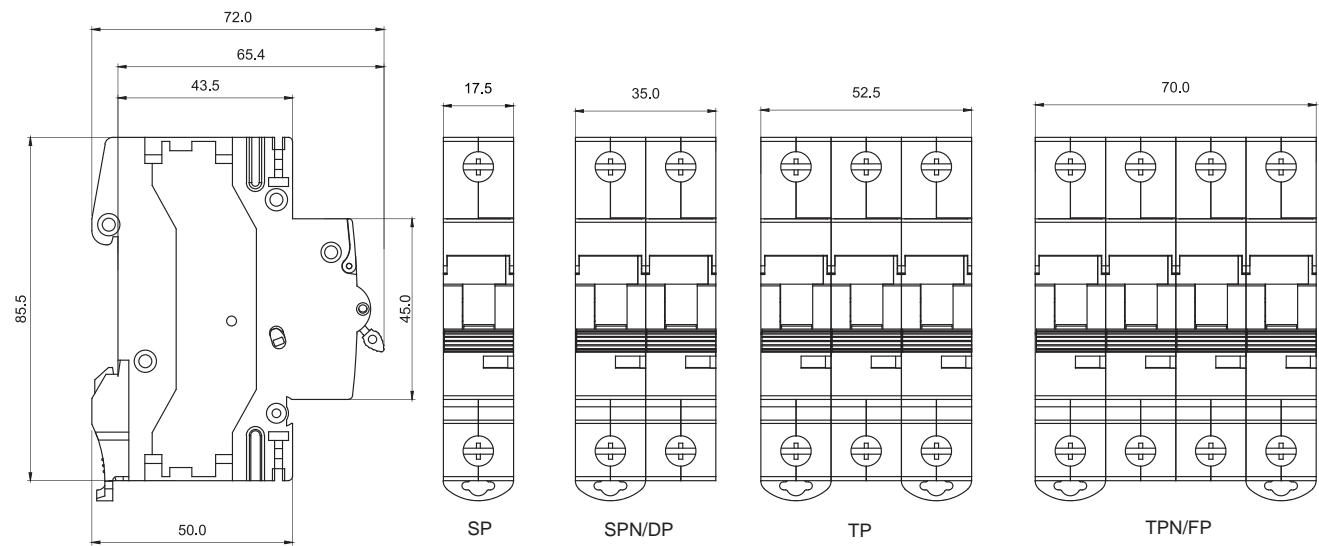


10kA MCB Technical Specification



| Parameter | Remarks |
|--------------------------------------|--|
| Standard Conformity | IS/IEC 60898 - 1 |
| Protection | Over Current, Short Circuit |
| Rated Current (In) (A) | 0.5, 1, 2, 3, 4, 5, 6, 10, 16, 20, 25, 32, 40, 63A, (50A) on request |
| Tripping Curves | 6A to 63 B, C & D 0.5A to 5A C & D |
| No. of Poles | SP/SPN/DP/TP/TPN/FP |
| Rated Voltages (Ue) | 240/415 Vac |
| Rated Frequency | 50/60 Hz |
| Rated Insulation Voltage (Ui) | 690V |
| Rated Impulse Voltage (Uimp) | 4.0 kV |
| Dielectric strength | 2.5kV |
| Rated Short Circuit Capacity (Icn) | 10 kA |
| Service Short Circuit Capacity (Ics) | 7.5 kA |
| Energy Limiting class | 3 |
| Terminal Capacity (max.) | 35 sqmm |
| Terminal tightening torque | 2 Nm |
| Electrical/Mechanical Life | As per IS/IEC 60898-1 |
| Degree of protection | IP 20 |
| Operating Temperature | - 5 to + 70° C (with derating) |
| Installation Position | Vertical/Horizontal |
| Mounting Clip on Din rail | (35mm x 7.5mm) |
| Bus bar connection | Pin type/Fork type, (Both side) |
| Shock resistance | 40mm free fall |
| Vibration | 3g |
| Case & Cover | Flame retardant thermoplastic material |
| Dimensions (H*D*W) mm | 65.4*85.5*17.5 (1P) |

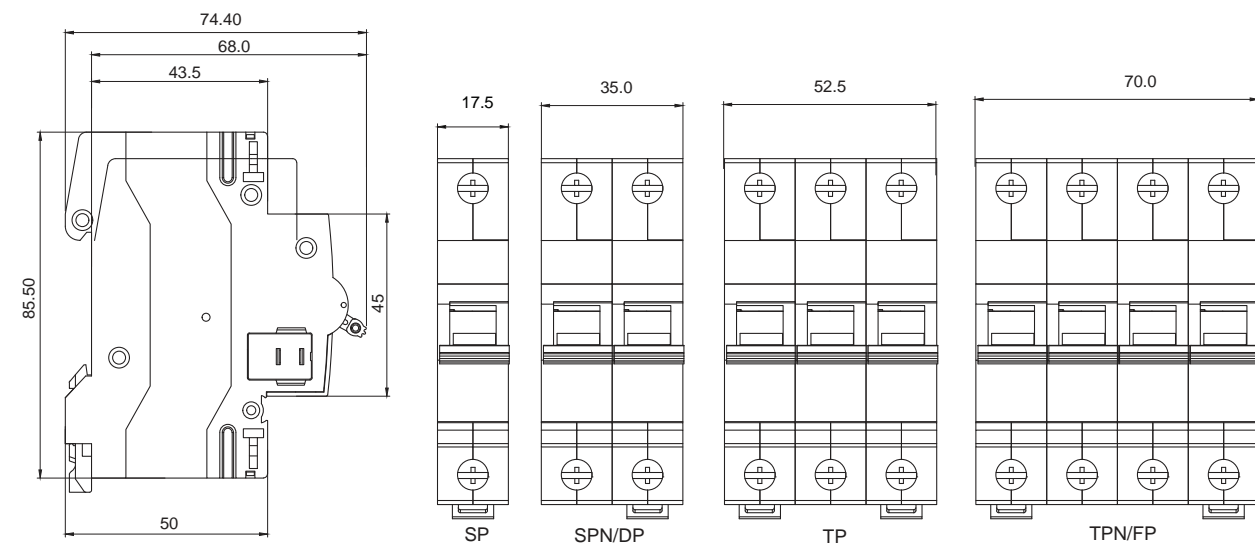
10kA MCB Dimensions



6kA MCB Technical Specification

| Parameter | Remarks |
|--------------------------------------|--|
| Standard Conformity | IS/IEC 60898 - 1 |
| Protection | Over Current, Short Circuit |
| Rated Current (In) (A) | 6, 10, 16, 20, 25, 32, 40, 63A |
| Tripping Curves | B & C |
| No. of Poles | SP/SPN/DP/TP/FP |
| Rated Voltages (Ue) | 240/415Vac |
| Rated Frequency | 50/60Hz |
| Rated Insulation Voltage (Ui) | 690V |
| Rated Impulse Voltage (Uimp) | 4.0kV |
| Dielectric Strength | 2.5kV |
| Rated Short Circuit Capacity (Icn) | 6kA |
| Service Short Circuit Capacity (Ics) | 6kA |
| Energy Limiting Class | 3 |
| Terminal Capacity (max.) | 25sqmm |
| Terminal Tightening Torque | 2Nm |
| Electrical/Mechanical Life | As per IS/IEC 60898-1 |
| Degree of Protection | IP 20 |
| Operating Temperature | -5 to +70° C (with derating) |
| Installation Position | Vertical/Horizontal |
| Mounting Clip on Din Rail | (35mm x 7.5mm) |
| Bus Bar Connection | Pin Type/Fork Type, (One Side) |
| Shock Resistance | 40mm Free Fall |
| Vibration | 3g |
| Case & Cover | Flame Retardant Thermoplastic Material |
| Dimensions (H*D*W) mm | 68*85.5*17.5 (1P) |

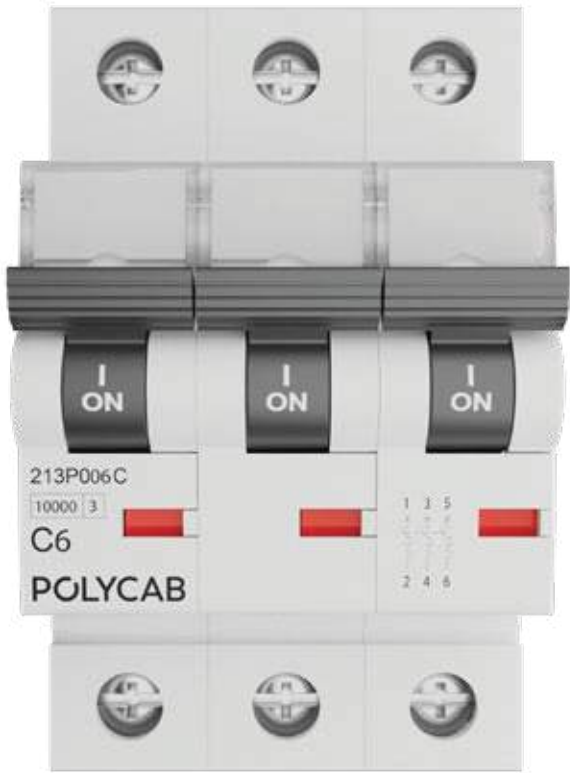
6kA MCB Dimensions



Temperature De-rating Table

As per IS/IEC 60898-1, Thermal calibration of an MCB is to be done at 30°C. When used at ambient temperatures exceeding the calibrated temperature, MCBs tend to trip faster while carrying the rated current. This calls for de-rating the MCBs when used in ambiances, with temperature higher than the design ambient temperature. At temperature higher than 30°C, the MCB require progressively less time to trip on the same level of overload fault.

| Rating (A) | 30°C | 35°C | 40°C | 45°C | 50°C | 60°C | 70°C |
|------------|------|-------|-------|-------|-------|-------|-------|
| 6 | 6 | 5.76 | 5.52 | 5.28 | 5.04 | 4.68 | 4.56 |
| 10 | 10 | 9.6 | 9.2 | 8.8 | 8.4 | 7.8 | 7.6 |
| 16 | 16 | 15.36 | 14.72 | 14.08 | 13.44 | 12.48 | 12.16 |
| 20 | 20 | 19.2 | 18.4 | 17.6 | 16.8 | 15.6 | 15.2 |
| 25 | 25 | 24 | 23 | 22 | 21 | 19.5 | 19 |
| 32 | 32 | 30.72 | 29.44 | 28.16 | 26.88 | 24.96 | 24.32 |
| 40 | 40 | 38.4 | 36.8 | 35.2 | 33.6 | 31.2 | 30.4 |
| 50 | 50 | 48 | 46 | 44 | 42 | 39 | 38 |
| 63 | 63 | 60.48 | 57.96 | 55.44 | 52.92 | 49.14 | 47.88 |



MCB Power Loss Data (Watt) 10kA

| Rating (A) | Power Loss Per Pole (Watt) | Power Loss Limit As Per Standard (Watt) |
|------------|----------------------------|---|
| 6 | 1.32 | <3 |
| 10 | 1.38 | <3 |
| 16 | 2.21 | <3.5 |
| 20 | 2.51 | <4.5 |
| 25 | 3.06 | <4.5 |
| 32 | 3.40 | <6 |
| 40 | 3.01 | <7.5 |
| 50 | 3.60 | <9 |
| 63 | 5.26 | <13 |

Types of MCB

B Type - For Resistive Load - Where initial starting current is equal to normal current.
Examples- Fan, Light, TV, Toaster, Microwave Oven, Coffee maker, Water Purifier etc.

C Type - For Inductive Load - Where initial starting current is high.

Examples- Vacuum Cleaner, Air Conditioner, Dishwasher, Washing Machine, Water Pump, Mixer Grinder etc.

D Type - High level of in-rush current on start-up Examples- X-ray machines, motors UPS etc.

MCB Type & Ampere selection by formula

For 1 phase supply,

$P = V \times I$
P = Total power in watt
V = Voltage (240Vac for single phase)
I = Amp current
Example of selection of MCB Rating
If total power is 5000W, then as per formula –
 $P = V \times I$
 $5000 = 240 \times I$
 $I = 5000/240$
 $I = 20.833A.$

Always multiply by 1.25 with current
So $20.625 \times 1.25 = 26.04A$
As per our MCB rating series, the next current rating is 32A
For Resistive load selection is B32A
For Inductive or Capacitive load selection is C32A.

For 3 phase supply,

$P = \sqrt{3} \times V \times I$
P = Total power in watt
V = Voltage (415 Vac for three phases)
I = Amp current
Example of selection of MCB Rating
If total power is 6000W, then as per formula –
 $P = \sqrt{3} \times V \times I$
 $6000 = 1.732 \times 415 \times I$
 $I = 6000/ (1.732 \times 415)$
 $I = 8.347A.$
Always multiply by 1.5 with current
So $8.347 \times 1.5 = 12.52A$
As per our MCB rating series, the next current rating is 16A
For Resistive load selection is B16A.
For Inductive or Capacitive load selection is C16A.

Note: These calculations are only informative, actual MCB rating selection may vary from site to site.

| Appliances | Capacity/W (Load) ~ 240 V | Ampere Rating of MCB* | MCB Type |
|-----------------|---------------------------|-----------------------|----------|
| Air Conditioner | 1.0 Ton | 10 A | C Type |
| | 1.5 Ton | 16 A | C Type |
| | 2.0 Ton | 20 A | C Type |
| Refrigerator | 165 L | 3 A | C Type |
| | 350 L | 4 A | C Type |
| Electric Iron | 750 W | 6 A | B Type |
| | 1250 W | 8 A | B Type |
| Electric Kettle | 1500 W | 10 A | B Type |
| Oven/Griller | 1750 W | 10 A | B Type |

*Ampere selection related to appliance wattage. Check before installation.



B Curve Single Pole 10kA MCB

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|---------------|-----------------------------|--------------|-----|
| GMM101P001-06 | 6A, 10A, 16A, 20A, 25A, 32A | 1/12/108 | 235 |
| GMM101P007 | 40A | 1/12/108 | 531 |

C Curve Single Pole 10kA MCB

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|---------------|-----------------------------|--------------|-----|
| GMM201P012-17 | 0.5A, 1A, 2A, 3A, 4A, 5A | 1/12/108 | 400 |
| GMM201P001-06 | 6A, 10A, 16A, 20A, 25A, 32A | 1/12/108 | 248 |
| GMM201P007 | 40A | 1/12/108 | 543 |
| GMM201P008 | 63A | 1/12/108 | 633 |

C Curve Single Pole Neutral 10kA MCB

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|---------------|-----------------------------|--------------|------|
| GMM201N001-06 | 6A, 10A, 16A, 20A, 25A, 32A | 1/06/054 | 855 |
| GMM201N007 | 40A | 1/06/054 | 1178 |
| GMM201N008 | 63A | 1/06/054 | 1392 |

C Curve Double Pole 10kA MCB

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|---------------|-----------------------------|--------------|------|
| GMM202P012-17 | 0.5A, 1A, 2A, 3A, 4A, 5A | 1/06/054 | 1205 |
| GMM202P001-06 | 6A, 10A, 16A, 20A, 25A, 32A | 1/06/054 | 871 |
| GMM202P007 | 40A | 1/06/054 | 1272 |
| GMM202P008 | 63A | 1/06/054 | 1408 |

C Curve Three Pole 10kA MCB

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|---------------|-----------------------------|--------------|------|
| GMM203P012-17 | 0.5A, 1A, 2A, 3A, 4A, 5A | 1/04/036 | 1690 |
| GMM203P001-06 | 6A, 10A, 16A, 20A, 25A, 32A | 1/04/036 | 1410 |
| GMM203P007 | 40A | 1/04/036 | 1970 |
| GMM203P008 | 63A | 1/04/036 | 2179 |



C Curve Three Pole Neutral 10kA MCB

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|---------------|-----------------------------|--------------|------|
| GMM203N001-06 | 6A, 10A, 16A, 20A, 25A, 32A | 1/03/027 | 1862 |
| GMM203N007 | 40A | 1/03/027 | 2467 |
| GMM203N008 | 63A | 1/03/027 | 2690 |



C Curve Four Pole 10kA MCB

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|---------------|-----------------------------|--------------|------|
| GMM204P012-17 | 0.5A, 1A, 2A, 3A, 4A, 5A | 01/03/027 | 2326 |
| GMM204P001-06 | 6A, 10A, 16A, 20A, 25A, 32A | 01/03/027 | 1871 |
| GMM204P007 | 40A | 01/03/027 | 2550 |
| GMM204P008 | 63A | 01/03/027 | 2784 |



D Curve Single Pole 10kA MCB

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|---------------|-----------------------------|--------------|-----|
| GMM301P001-06 | 6A, 10A, 16A, 20A, 25A, 32A | 1/12/108 | 459 |
| GMM301P007 | 40A | 1/12/108 | 706 |
| GMM301P008 | 63A | 1/12/108 | 729 |



D Curve Double Pole 10kA MCB

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|---------------|-----------------------------|--------------|------|
| GMM302P001-06 | 6A, 10A, 16A, 20A, 25A, 32A | 1/06/054 | 982 |
| GMM302P007 | 40A | 1/06/054 | 1505 |
| GMM302P008 | 63A | 1/06/054 | 1576 |



D Curve Three Pole 10kA MCB

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|---------------|-----------------------------|--------------|------|
| GMM303P001-06 | 6A, 10A, 16A, 20A, 25A, 32A | 1/04/036 | 1588 |
| GMM303P007 | 40A | 1/04/036 | 2287 |
| GMM303P008 | 63A | 1/04/036 | 2311 |



D Curve Four Pole 10kA MCB

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|---------------|-----------------------------|--------------|------|
| GMM304P001-06 | 6A, 10A, 16A, 20A, 25A, 32A | 1/03/027 | 2058 |
| GMM304P007 | 40A | 1/03/027 | 2905 |
| GMM304P008 | 63A | 1/03/027 | 2964 |



C Curve Single Pole DC 6kA MCB: 250V DC
(for DC Installation, 250Vdc per pole)

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|---------------|-----------------------------|--------------|-----|
| GMM401P012-17 | 0.5A, 1A, 2A, 3A, 4A, 5A | 01/12/108 | 669 |
| GMM401P001-06 | 6A, 10A, 16A, 20A, 25A, 32A | 01/12/108 | 554 |
| GMM401P007 | 40A | 01/12/108 | 738 |
| GMM401P018 | 50A | 01/12/108 | 738 |
| GMM401P008 | 63A | 01/12/108 | 738 |



C Curve Double Pole DC 6kA MCB: 500V DC
(for DC Installation, 250Vdc per pole)

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|---------------|-----------------------------|--------------|------|
| GMM402P012-17 | 0.5A, 1A, 2A, 3A, 4A, 5A | 01/06/054 | 1327 |
| GMM402P001-06 | 6A, 10A, 16A, 20A, 25A, 32A | 01/06/054 | 1154 |
| GMM402P007 | 40A | 01/06/054 | 1575 |
| GMM402P018 | 50A | 01/06/054 | 1575 |
| GMM402P008 | 63A | 01/06/054 | 1575 |



C Curve Four Pole DC 6kA MCB: 1000V DC
(for DC Installation, 250Vdc per pole)

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|---------------|-----------------------------|--------------|------|
| GMM404P012-17 | 0.5A, 1A, 2A, 3A, 4A, 5A | 01/03/027 | 2665 |
| GMM404P001-06 | 6A, 10A, 16A, 20A, 25A, 32A | 01/03/027 | 2365 |
| GMM404P007 | 40A | 01/03/027 | 3149 |
| GMM404P018 | 50A | 01/03/027 | 3149 |
| GMM404P008 | 63A | 01/03/027 | 3149 |



B Curve Single Pole 6kA MCB

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|---------------|-----------------------------|--------------|-----|
| GMM501P001-06 | 6A, 10A, 16A, 20A, 25A, 32A | 1/12/108 | 210 |



C Curve Single Pole 6kA MCB

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|---------------|-----------------------------|--------------|-----|
| GMM601P001-06 | 6A, 10A, 16A, 20A, 25A, 32A | 1/12/108 | 210 |



C Curve Single Pole Neutral 6kA MCB

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|---------------|-----------------------------|--------------|-----|
| GMM601N001-06 | 6A, 10A, 16A, 20A, 25A, 32A | 1/06/054 | 715 |



C Curve Double Pole 6kA MCB

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|---------------|-----------------------------|--------------|-----|
| GMM602P001-06 | 6A, 10A, 16A, 20A, 25A, 32A | 1/06/054 | 760 |



C Curve Three Pole 6kA MCB

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|---------------|-----------------------------|--------------|------|
| GMM603P001-06 | 6A, 10A, 16A, 20A, 25A, 32A | 1/04/036 | 1250 |



C Curve Four Pole 6kA MCB

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|------------|----------------|--------------|------|
| GMM604P006 | 32A | 1/03/027 | 1650 |
| GMM604P007 | 40A | 1/03/027 | 2190 |
| GMM604P008 | 63A | 1/03/027 | 2400 |

DC MCB

(Direct Current Miniature Circuit Breaker)

Polycab DC MCB are supplementary protector designed to provide over current protection to appliances or electrical equipment, where a branch circuit protection is already provided or not required. Devices are designed for direct current (DC) control circuit applications.

Technical Specification

| Parameter | Remarks |
|--|---|
| Rated Current In | 0.5A-63A |
| Operating Voltage (Ue) | SP =250V DC, DP =500V DC FP=1000V DC |
| Rated Insulation Voltage (Ui) | 1,000V DC |
| Breaking Capacity (Icu) | 6kA |
| Impulse voltage (Uimp) | 4kV |
| No. of Poles | SP, DP, FP |
| Standards | IS/IEC 60947-2 |
| Degree of Protection | IP20 |
| Electrical/Mechanical Life | As per IS/IEC 60947-2 |
| Operating Temperature | -5° C to+55° C |
| Curve Type | C |
| Trip Type | Thermal Magnetic |
| Terminal Capacity (max), mm ² | 35sqmm. |

Typical Applications



Railways



Solar Power

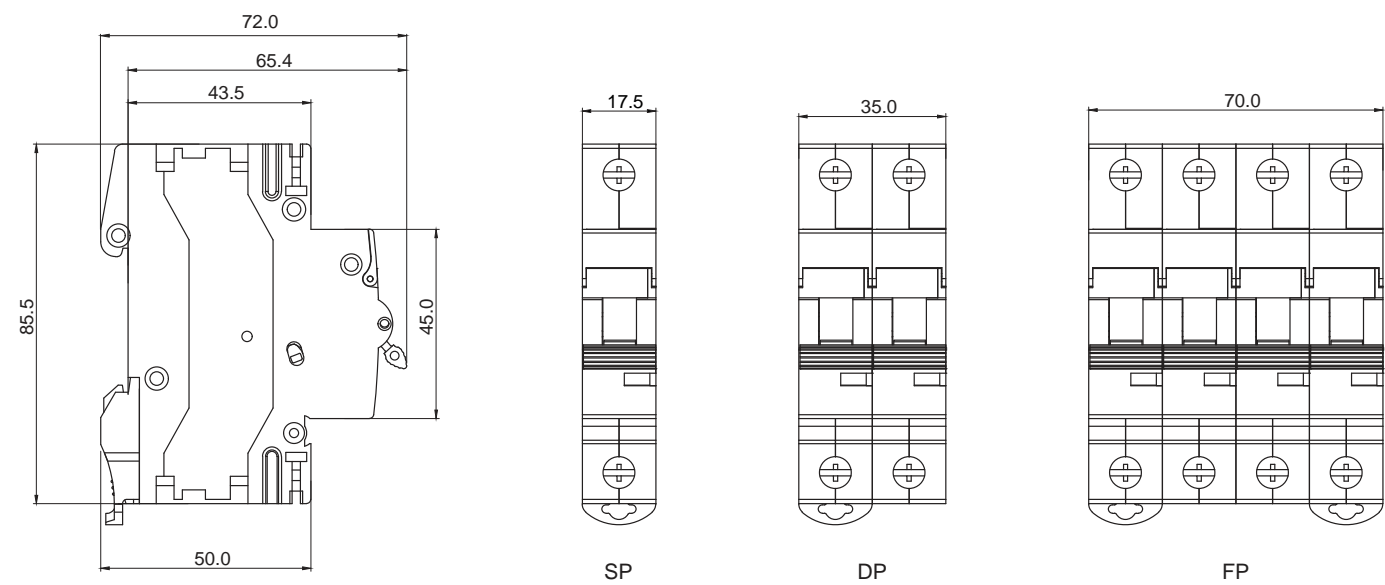


EV Charging



Building

Dimensions (mm)



Range

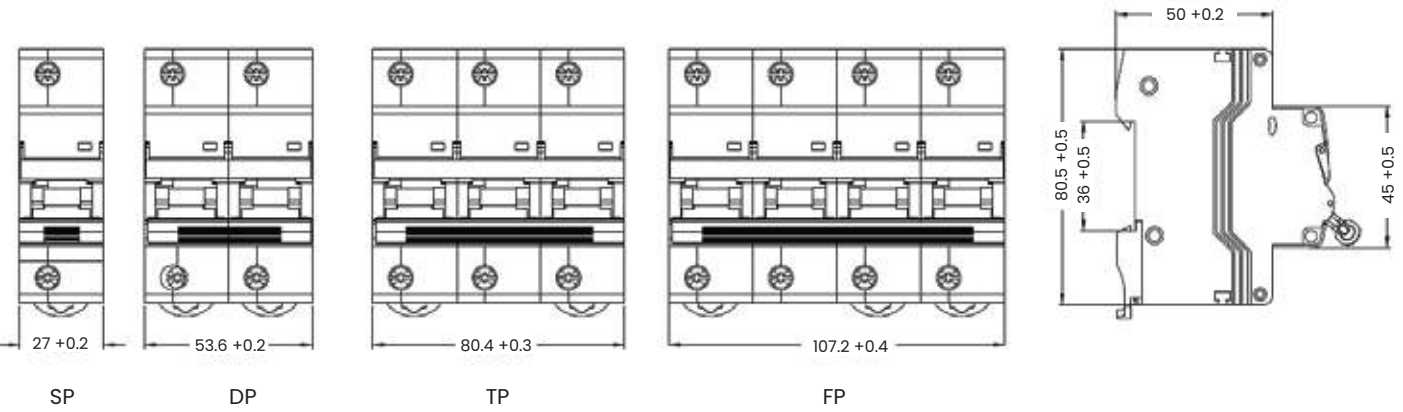
| Current Rating | Item Code | MRP | Item Code | MRP | Item Code | MRP |
|----------------|-------------|-----|-------------|------|-------------|------|
| | C Curve, SP | | C Curve, DP | | C Curve, FP | |
| 0.5A | GMM401P012 | 669 | GMM402P012 | 1327 | GMM404P012 | 2665 |
| 1A | GMM401P013 | 669 | GMM402P013 | 1327 | GMM404P013 | 2665 |
| 2A | GMM401P014 | 669 | GMM402P014 | 1327 | GMM404P014 | 2665 |
| 3A | GMM401P015 | 669 | GMM402P015 | 1327 | GMM404P015 | 2665 |
| 4A | GMM401P016 | 669 | GMM402P016 | 1327 | GMM404P016 | 2665 |
| 5A | GMM401P017 | 669 | GMM402P017 | 1327 | GMM404P017 | 2665 |
| 6A | GMM401P001 | 554 | GMM402P001 | 1154 | GMM404P001 | 2365 |
| 10A | GMM401P002 | 554 | GMM402P002 | 1154 | GMM404P002 | 2365 |
| 16A | GMM401P003 | 554 | GMM402P003 | 1154 | GMM404P003 | 2365 |
| 20A | GMM401P004 | 554 | GMM402P004 | 1154 | GMM404P004 | 2365 |
| 25A | GMM401P005 | 554 | GMM402P005 | 1154 | GMM404P005 | 2365 |
| 32A | GMM401P006 | 554 | GMM402P006 | 1154 | GMM404P006 | 2365 |
| 40A | GMM401P007 | 738 | GMM402P007 | 1575 | GMM404P007 | 3149 |
| 50A | GMM401P018 | 738 | GMM402P018 | 1575 | GMM404P018 | 3149 |
| 63A | GMM401 P008 | 738 | GMM402P008 | 1575 | GMM404P008 | 3149 |

HIGHER RATING MCBs

Miniature Circuit Breakers (MCBs) with higher ratings are used in different situations, such as for heavy-duty devices, commercial and industrial settings, and solar systems

| MCB 80~125A SKU Codes | Current Rating | MRP |
|-----------------------|-------------------|------------------|
| GMM201P080 | C80A SP MCB 10k | Price on request |
| GMM202P080 | C80A DP MCB 10kA | Price on request |
| GMM203P080 | C80A TP MCB 10kA | Price on request |
| GMM204P080 | C80A FP MCB 10kA | Price on request |
| GMM201P0100 | C100A SP MCB 10kA | Price on request |
| GMM202P0100 | C100A DP MCB 10kA | Price on request |
| GMM203P0100 | C100A TP MCB 10kA | Price on request |
| GMM204P0100 | C100A FP MCB 10kA | Price on request |
| GMM201P0125 | C125A SP MCB 10kA | Price on request |
| GMM202P0125 | C125A DP MCB 10kA | Price on request |
| GMM203P0125 | C125A TP MCB 10kA | Price on request |
| GMM204P0125 | C125A FP MCB 10kA | Price on request |

Dimensions (mm)



MCB 80A, 100A, 125A (10kA)

TECHNICAL SPECIFICATIONS

| Parameter | Remarks |
|--------------------------------------|--|
| Standard Conformity | IS/IEC 60947-2 |
| Protection | Over Current, Short Circuit |
| Rated Current (In) (A) | 80A, 100 & 125A |
| Tripping Curves | C |
| No. of Poles | SP/DP/TP/FP |
| Rated Voltages (Ue) | SP – 240 Vac & DP, TP, FP – 415 Vac |
| Rated Frequency | 50/60 Hz |
| Rated Insulation Voltage (Ui) | 690V |
| Utilization Category | “A” |
| Rated Impulse Voltage (Uimp) | 6kV |
| Dielectric Strength | 2.5kV |
| Rated Short Circuit Capacity (Icn) | 10kA |
| Service Short Circuit Capacity (Ics) | 7.5kA |
| Energy Limiting Class | 3 |
| Terminal Capacity (max.) | 50sqmm |
| Terminal Tightening Torque | 3.5Nm |
| Electrical/Mechanical Life | IS/IEC 60947-2 |
| Degree of Protection | IP 20 |
| Operating Temperature | -5°C to + 55°C |
| Installation Position | Vertical/Horizontal |
| Mounting Clip on Din Rail | (35mm x 7.5mm) |
| Shock Resistance | 40mm Free Fall |
| Vibration | 3g |
| Case & Cover | Flame Retardant Thermoplastic Material |



PROTECTION AGAINST GROUND FAULTS AND LEAKAGE CURRENT



RCCB (ELCB)

[Independent of line voltage]

Residual Current Circuit Breaker



Why would you need an RCCB & RCBO
in your electrical setup?
Is it even necessary?

Let's delve into it. Picture this: you're in your workspace, diligently powering through tasks, when suddenly, a ground fault occurs or there is leakage current.

Whether due to faulty appliances or wiring issues, such occurrences pose a significant threat, potentially leading to electric shocks or even fatalities. Without an RCCB or RCBO in place, the consequences could be dangerous. These devices act as vigilant guardians, swiftly detecting ground faults as well as leakage current and interrupt the circuit to prevent such hazards. They're like the silent protectors of your electrical system, ensuring safety and peace of mind.

Why to choose Polycab's RCCB and
RCBO over others?

Our products they're meticulously engineered to deliver unmatched reliability and performance. Equipped with advanced technology, our RCCBs and RCBOs offer rapid response times, swiftly detecting ground faults and leakage currents, safeguarding you from electric shocks. With a range of configurations and specifications tailored to meet diverse consumer needs, you can trust our products to provide comprehensive protection for your home & business.

Why compromise on safety? Choose our RCCBs and RCBOs, and ensure the utmost protection for your electrical infrastructure."

RCCB FEATURES



Test button

Allows you to periodically check the health of the device.



Real Trip Indicator

Provides a real indication of the RCCB tripping due to a fault in the circuit.

□ White - On / Off Indication

■ Red - Trip Indication



Combi-head Screw

Allows for clamping or tightening of the screws using either a flat or philips head screwdriver.



Neutral Advance

Neutral circuit closes first while making a connection & opens last while disconnecting a circuit.



Lockable Knob

Allow the unit to be locked OFF for safety while carrying out maintenance & locked ON for critical loads.



Protection from Leakage Currents

Reduced risks of fire hazards & electrocution due to leakage current from poorly insulated apparatus or faulty wires.



Large & Dual Termination

It accommodates cables up to 50sqmm thus making it suitable for copper as well as aluminium cables. Both cables and busbars can be terminated on either side.



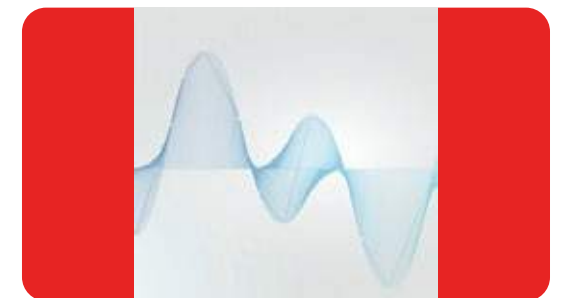
Label Holder

A transparent label holder positioned above the knob allows insertion of labels for easy circuit identification.



Safety Terminal

Terminals are equipped with a shutter to avoid wrong wire entry during installation.



Operates Irrespective of Supply Voltage

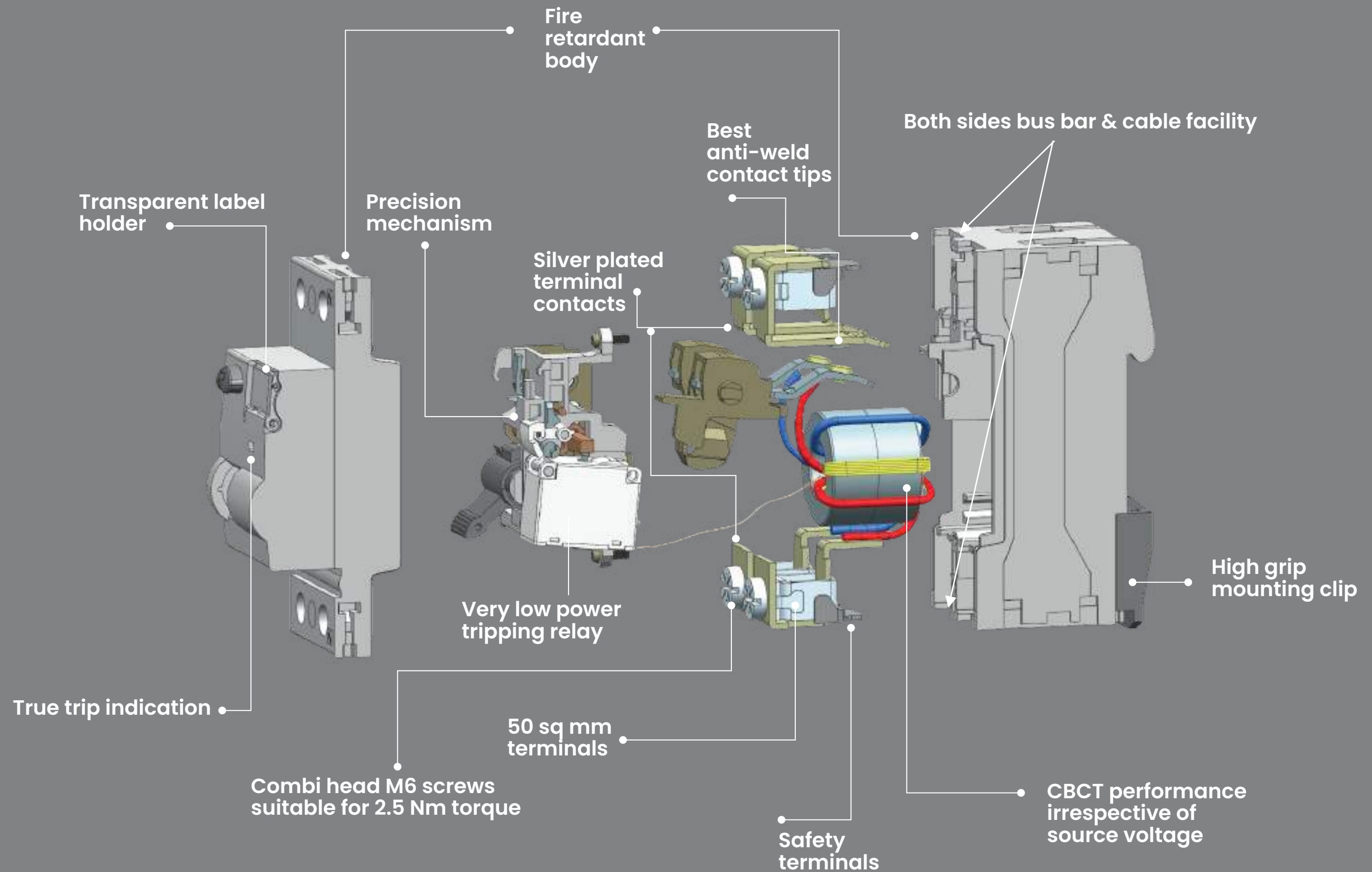
The unit protects against earth leakages & faults irrespective of the supply voltage due to the RCCB's electromechanical design.



Cooler Operation

A specially designed depression forms a tunnel when units are installed adjacent to each other allowing hot air to be expelled faster, resulting in a lower body temperature.

RCCB EXPLODED VIEW

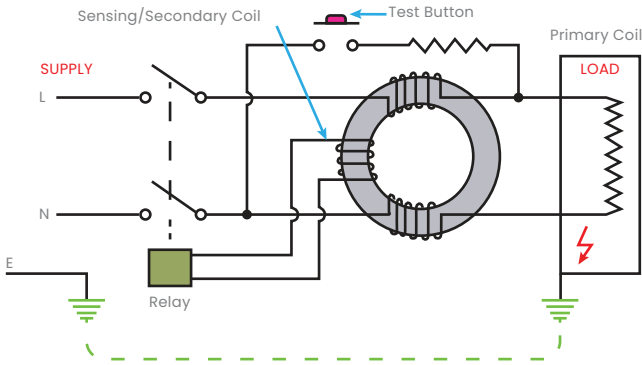


RCCB

Earth Leakage Circuit Breaker for earth leakage protection. It is to be used in association with miniature circuit breakers, its function is to detect earth leakage current and open the connected circuit to protect people and equipment. These devices are designed to meet the Earth Leakage Protection Standards of the IEC: IS 12640-1, IEC 61008-1.

Working Principle

Polycab RCCB works on the current balance principle. The supply conductors, i.e. the phases and the neutral, are passed through a toroid and form the primary windings of a current transformer. Its secondary winding is connected to a highly sensitive electromagnetic trip relay, which operates the trip mechanism. In a healthy circuit sum of the currents in phases, is equal to the current in the neutral and the vector sum of all currents is equal to zero. If there is any insulation fault in the circuit and leakage current flows to earth the currents do not balance and their vector sum is not equal to zero. The RCCB is tripped and supply to load is interrupted.

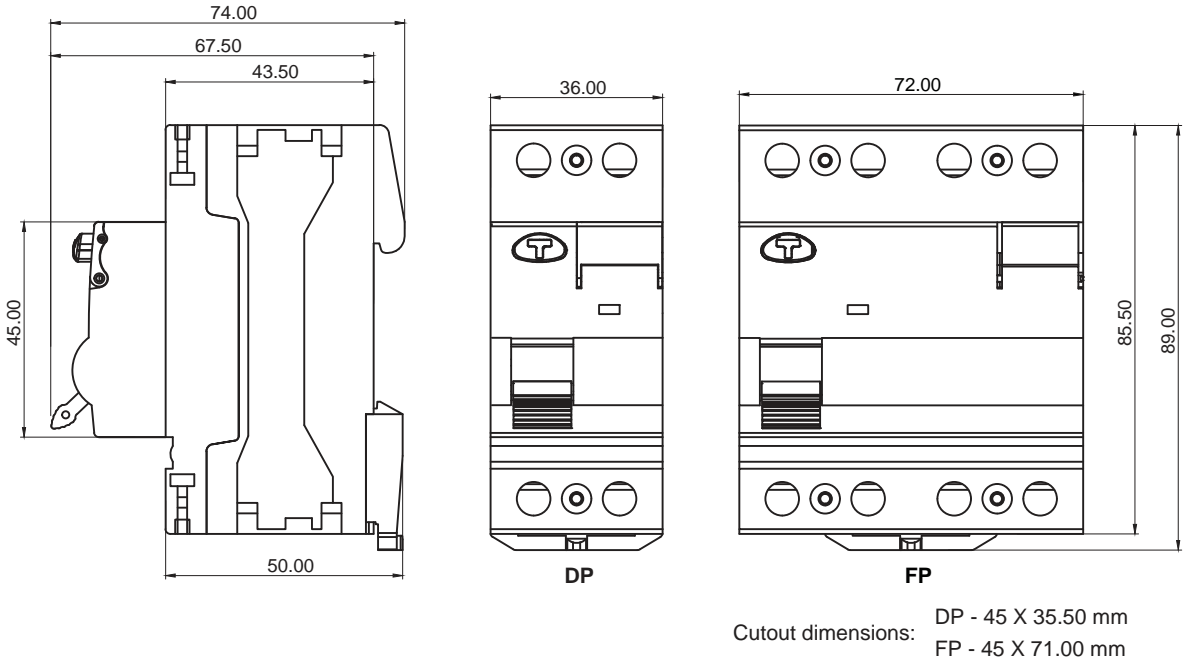


Technical Specifications – Type AC

| Parameter | Remarks |
|---|---|
| Standard Conformity | IS 12640-1 & IEC 61008-1 |
| Protection | Earth leakage/ Earth fault |
| Method of Operation | Functionally independent of line voltage (Electromechanical RCCB) |
| Rated Current (In) | 25A, 40A, 63A |
| Rated Residual Operating Current (IΔn) | 30mA, 100mA, 300mA (non-adjustable) |
| Residual Non-Operating Current (IΔno) | 0.5IΔn |
| No. of Poles | DP & FP |
| Rated Voltages (Ue) | DP: 240 Vac & FP: 240/415 Vac |
| Rated Frequency | 50 Hz |
| Rated Insulation Voltage (Ui) | 690V |
| Rated Impulse Withstand voltage (Uimp) | 4kV |
| Dielectric strength | 2kV |
| Rated conditional short circuit current (Inc) | 10kA |
| Rated making & breaking capacity (Im) | 630A |
| Terminal Capacity (max,) | 50sqmm |
| Terminal Tightening torque | 2.5Nm |
| Electrical/Mechanical Life | As per IS / IEC standard |
| Tripping Time @ 5IΔn | ≤0.04 sec |
| Type of operation | AC |
| Time delay | Without time delay |
| Degree of Protection | IP 20 |
| Operating Temperature | -5 to + 55°C |
| Installation Position | Vertical/Horizontal |
| Mounting Clip on Din rail | (35mm x 7.5mm) |
| Bus bar connection | Pin type/Fork type, (Both side) |
| Shock resistance | 40mm free fall |
| Vibration | 3g |
| Case & Cover | Flame retardant thermoplastic material |
| Dimension (H*D*W) mm | (DP – 67.5*85.5*36) (FP- 67.5*85.5*72) |

Range

| Item code | | | | | |
|-------------|-------------|------------|------|------------|------|
| Rating (in) | Sensitivity | DP | MRP | FP | MRP |
| 25A | 30mA | GMR502P003 | 3075 | GMR504P003 | 4025 |
| | 100mA | GMR502P009 | 3182 | GMR504P009 | 4096 |
| | 300mA | GMR502P015 | 3182 | GMR504P015 | 4096 |
| 40A | 30mA | GMR502P005 | 3407 | GMR504P005 | 4108 |
| | 100mA | GMR502P011 | 3467 | GMR504P011 | 4179 |
| | 300mA | GMR502P017 | 3467 | GMR504P017 | 4179 |
| 63A | 30mA | GMR502P006 | 4333 | GMR504P006 | 4571 |
| | 100mA | GMR502P012 | 4381 | GMR504P012 | 4630 |
| | 300mA | GMR502P018 | 4381 | GMR504P018 | 4630 |



Why to use RCCB (ELCB)

Residual Current Circuit Breaker (RCCB) is an electrical safety device that quickly cuts off power when it detects an electrical fault, such as a ground fault or leakage current. It does this by monitoring the balance of current between Phase and neutral conductors and tripping when an imbalance is detected, thereby preventing electric shocks and fires. We can say that RCCB is a life saving device which protect human being from electric shock.

Selection of RCCB Sensitivity

| ELCB Sensitivity | Application | Examples |
|------------------|--------------------------------------|---|
| 30mA | Protection against in-direct contact | Provides higher level of personal protection in cases where person comes in direct contact with electric equipment's such as kitchen, bathroom etc. |
| 100mA | | Provides high level of protection where inherent seepage resulting leakage current, protection against fire & indirect shock risk. |
| 300mA | Protection against Fire | Provides safety against fire hazards which are mainly caused due to ageing of wires in any building. |

Type A RCCB

The type A RCCB can be said to be an upgrade of the AC type. It Provides protection against residual Pulsating DC currents. In addition to detecting AC current faults from sinusoidal circuits, it also can detect pulsed DC current faults. As such, it is suitable for use with all types of appliances, including those that contain electronic components.

Technical Specification

| Parameter | Remarks |
|---|---|
| Standard Conformity | IS 12640-1 & IEC 61008-1 |
| Protection | Earth leakage/ Earth fault |
| Method of Operation | Functionally independent of line voltage (Electromechanical RCCB) |
| Rated Current (In) | 25A, 40A, 63A |
| Rated Residual Operating Current (IΔn) | 30mA, 100mA, 300mA (non-adjustable) |
| Residual Non-Operating Current (IΔno) | 0.5IΔn |
| No. of Poles | DP & FP |
| Rated Voltages (Ue) | DP: 240 Vac & FP: 240/415 Vac |
| Rated Frequency | 50 Hz |
| Rated Insulation Voltage (Ui) | 690V |
| Rated Impulse Withstand voltage (Uimp) | 4kV |
| Dielectric strength | 2kV |
| Rated conditional short circuit current (Inc) | 10kA |
| Rated making & breaking capacity (Im) | 630A |
| Terminal Capacity (max,) | 50sqmm |
| Terminal Tightening torque | 2.5Nm |
| Electrical/Mechanical Life | As per IS / IEC standard |
| Tripping Time @ 5IΔn | ≤0.04 sec |
| Type of operation | AC & A |
| Time delay | Without time delay |
| Degree of Protection | IP 20 |
| Operating Temperature | -5 to + 55°C |
| Installation Position | Vertical/Horizontal |
| Mounting Clip on Din rail | (35mm x 7.5mm) |
| Bus bar connection | Pin type/Fork type, (Both side) |
| Shock resistance | 40mm free fall |
| Vibration | 3g |
| Case & Cover | Flame retardant thermoplastic material |
| Dimension (H*D*W) mm | (DP – 67.5*85.5*36) (FP- 67.5*85.5*72) |



RCCB Type A DP

| Item Code | Current Rating | MRP |
|------------|--------------------------|------------------|
| GMR302P003 | 25A 30mA DP RCCB A Type | Price on request |
| GMR302P005 | 40A 30mA DP RCCB A Type | Price on request |
| GMR302P006 | 63A 30mA DP RCCB A Type | Price on request |
| GMR302P009 | 25A 100mA DP RCCB A Type | Price on request |
| GMR302P011 | 40A 100mA DP RCCB A Type | Price on request |
| GMR302P012 | 63A 100mA DP RCCB A Type | Price on request |
| GMR302P015 | 25A 300mA DP RCCB A Type | Price on request |
| GMR302P017 | 40A 300mA DP RCCB A Type | Price on request |
| GMR302P018 | 63A 300mA DP RCCB A Type | Price on request |

RCCB Type A FP

| Item Code | Current Rating | MRP |
|------------|--------------------------|------------------|
| GMR304P003 | 25A 30mA FP RCCB A Type | Price on request |
| GMR304P005 | 40A 30mA FP RCCB A Type | Price on request |
| GMR304P006 | 63A 30mA FP RCCB A Type | Price on request |
| GMR304P009 | 25A 100mA FP RCCB A Type | Price on request |
| GMR304P011 | 40A 100mA FP RCCB A Type | Price on request |
| GMR304P012 | 63A 100mA FP RCCB A Type | Price on request |
| GMR304P015 | 25A 300mA FP RCCB A Type | Price on request |
| GMR304P017 | 40A 300mA FP RCCB A Type | Price on request |
| GMR304P018 | 63A 300mA FP RCCB A Type | Price on request |

PROTECTION AGAINST OVERCURRENT/
SHORT CIRCUIT/EARTH LEAKAGE/EARTH FAULT



RCBO (EL+MCB)

[Independent of line voltage]
Residual Current Circuit Breaker with
Overcurrent Protection



Mid-Trip Indication
The knob gets in mid position while tripping because of Electrical fault.



Contact Position Indicator
Red & Green flag indication provided below the knob gives indication of positive electrical ON/OFF contact status irrespective of mounting or knob position even from a distance.



Neutral Marking
For Ease of installation



Test Button
To check the healthiness of device, periodically

Residual Current Circuit Breaker with Overcurrent Protection (RCBO)

Polycab RCBO is a single composite device which provides protection against over currents, short-circuit and earth leakage faults. It is designed for use in domestic, commercial and industrial distribution systems at the most downstream circuit for ensuring high degree of protection to the user.

Range

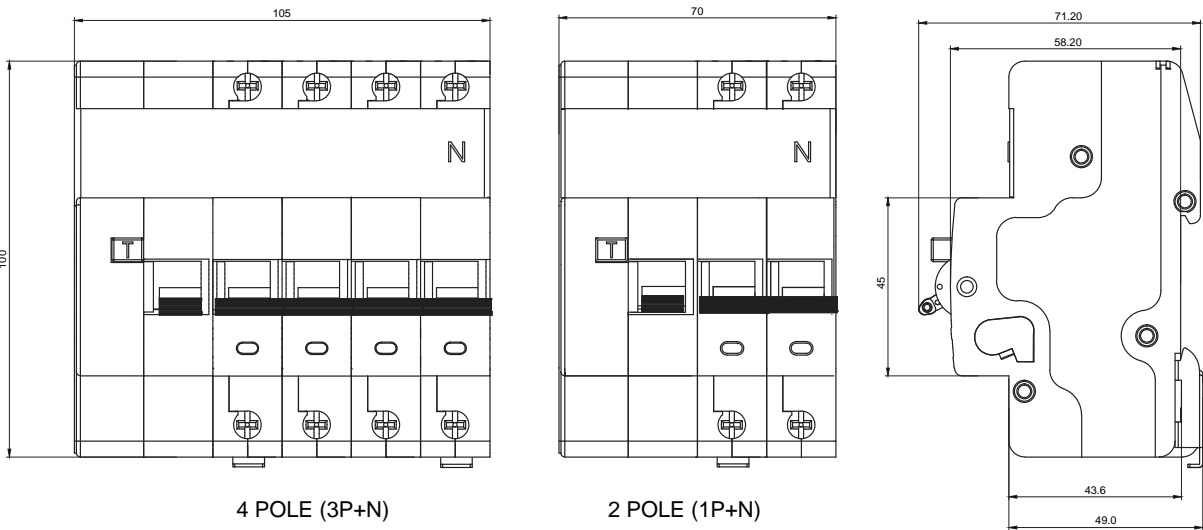
| Item Code | | | |
|-----------|-------------|------------|------------|
| Rating | Sensitivity | SPN | TPN |
| 6A | 30mA | GMB101N001 | GMB103N001 |
| | 100mA | GMB201N001 | GMB203N001 |
| | 300mA | GMB301N001 | GMB303N001 |
| 10A | 30mA | GMB101N002 | GMB103N002 |
| | 100mA | GMB201N002 | GMB203N002 |
| | 300mA | GMB301N002 | GMB303N002 |
| 16A | 30mA | GMB101N003 | GMB103N003 |
| | 100mA | GMB201N003 | GMB203N003 |
| | 300mA | GMB301N003 | GMB303N003 |
| 20A | 30mA | GMB101N004 | GMB103N004 |
| | 100mA | GMB201N004 | GMB203N004 |
| | 300mA | GMB301N004 | GMB303N004 |
| 25A | 30mA | GMB101N005 | GMB103N005 |
| | 100mA | GMB201N005 | GMB203N005 |
| | 300mA | GMB301N005 | GMB303N005 |
| 32A | 30mA | GMB101N006 | GMB103N006 |
| | 100mA | GMB201N006 | GMB203N006 |
| | 300mA | GMB301N006 | GMB303N006 |
| 40A | 30mA | GMB101N007 | GMB103N007 |
| | 100mA | GMB201N007 | GMB203N007 |
| | 300mA | GMB301N007 | GMB303N007 |
| 63A | 30mA | GMB101N008 | GMB103N008 |
| | 100mA | GMB201N008 | GMB203N008 |
| | 300mA | GMB301N008 | GMB303N008 |

Technical Specification

| Parameter | Remarks |
|--|---|
| Standard Conformity | IS 12640-2 & IEC 61009 – 1 |
| Protection | Over current, Short circuit, Earth leakage/Earth fault/ground fault |
| Method of Operation | Functionally independent of line voltage (Electromechanical RCBO) |
| Rated Current (In) | 6A, 10A, 16A, 20A, 25A, 32A, 40A, 63A |
| Tripping Curves | ‘ C ’ Curve |
| Rated Residual Operating Current (IΔn) | 30mA, 100mA, 300mA (non-adjustable) |
| Residual Non-Operating Current (IΔno) | 0.5IΔn |
| No. of Poles | SPN & TPN |
| Rated Voltage (Ue) | SPN: 240 Vac & TPN: 240/415 Vac |
| Rated Frequency | 50 Hz |
| Rated Insulation Voltage (Ui) | 690V |
| Rated Impulse Withstand voltage (Uimp) | 4 kV |
| Dielectric strength | 2.0 kV |
| Tripping Time @ 5IΔn | ≤0.04 sec |
| Rated Short Circuit Capacity (Icn) | 10 kA |
| Service Short Circuit Capacity (Ics) | 7.5kA |
| Terminal Capacity (max.) | 35sqmm |
| Terminal Tightening torque | 2.0Nm |
| Electrical/Mechanical Life | As per IS / IEC standard |
| Type of operation | AC |
| Degree of Protection | IP 20 |
| Operating Temperature | -5 to + 55°C |
| Installation Position | Vertical/Horizontal |
| Mounting Clip on Din rail | (35mm x 7.5mm) |
| Bus bar connection | Pin type/Fork type, (One side) |
| Shock resistance | 40mm free fall |
| Vibration | 3g |
| Case & Cover | Flame retardant thermoset (DMC) material |
| Dimensions (H*D*W) mm | SPN (4Module) 66.2*100*70, TPN (6Module) 66.2*100*105 |

* Type A RCCB on Request

Dimensions (mm)



Double Pole 10kA RCCB



| Item Code | Current Rating | PACK (P/S/M) | MRP |
|------------|----------------|--------------|------|
| GMR502P003 | 25A 30mA | 01/06/036 | 3075 |
| GMR502P009 | 25A 100mA | 01/06/036 | 3182 |
| GMR502P015 | 25A 300mA | 01/06/036 | 3182 |
| GMR502P005 | 40A 30mA | 01/06/036 | 3407 |
| GMR502P011 | 40A 100mA | 01/06/036 | 3467 |
| GMR502P017 | 40A 300mA | 01/06/036 | 3467 |
| GMR502P006 | 63A 30mA | 01/06/036 | 4333 |
| GMR502P012 | 63A 100mA | 01/06/036 | 4381 |
| GMR502P018 | 63A 300mA | 01/06/036 | 4381 |

Four Pole 10kA RCCB



| Item Code | Current Rating | PACK (P/S/M) | MRP |
|------------|----------------|--------------|------|
| GMR504P003 | 25A 30mA | 01/03/018 | 4025 |
| GMR504P009 | 25A 100mA | 01/03/018 | 4096 |
| GMR504P015 | 25A 300mA | 01/03/018 | 4096 |
| GMR504P005 | 40A 30mA | 01/03/018 | 4108 |
| GMR504P011 | 40A 100mA | 01/03/018 | 4179 |
| GMR504P017 | 40A 300mA | 01/03/018 | 4179 |
| GMR504P006 | 63A 30mA | 01/03/018 | 4571 |
| GMR504P012 | 63A 100mA | 01/03/018 | 4630 |
| GMR504P018 | 63A 300mA | 01/03/018 | 4630 |

Single Pole Neutral 10kA RCBO



| Item Code | Current Rating | PACK (P/S/M) | MRP |
|---------------|-------------------------------------|--------------|------|
| GMB101N001-06 | 6A, 10A, 16A, 20A, 25A, 32A - 30mA | 01/00/012 | 4286 |
| GMB101N007 | 40A 30mA | 01/00/012 | 4600 |
| GMB101N008 | 63A 30mA | 01/00/012 | 5520 |
| GMB201N001-06 | 6A, 10A, 16A, 20A, 25A, 32A - 100mA | 01/00/012 | 4446 |
| GMB201N007 | 40A 100mA | 01/00/012 | 4725 |
| GMB201N008 | 63A 100mA | 01/00/012 | 5639 |
| GMB301N001-06 | 6A, 10A, 16A, 20A, 25A, 32A - 300mA | 01/00/012 | 4446 |
| GMB301N007 | 40A 300mA | 01/00/012 | 4725 |
| GMB301N008 | 63A 300mA | 01/00/012 | 5639 |

Three Pole Neutral 10kA RCBO



| Item Code | Current Rating | PACK (P/S/M) | MRP |
|---------------|-------------------------------------|--------------|------|
| GMB103N001-06 | 6A, 10A, 16A, 20A, 25A, 32A - 30mA | 01/00/008 | 5592 |
| GMB103N007 | 40A 30mA | 01/00/008 | 5663 |
| GMB103N008 | 63A 30mA | 01/00/008 | 6090 |
| GMB203N001-06 | 6A, 10A, 16A, 20A, 25A, 32A - 100mA | 01/00/008 | 5081 |
| GMB203N007 | 40A 100mA | 01/00/008 | 5378 |
| GMB203N008 | 63A 100mA | 01/00/008 | 6227 |
| GMB303N001-06 | 6A, 10A, 16A, 20A, 25A, 32A - 300mA | 01/00/008 | 5081 |
| GMB303N007 | 40A 300mA | 01/00/008 | 5378 |
| GMB303N008 | 63A 300mA | 01/00/008 | 6227 |

Why is an isolator crucial for your electrical setup?

Safety is paramount for electrical maintenance or repairs. Without an isolator, it's like walking a tightrope with live wires. But here's where our isolators come into play.

They're like the safety switches of your electrical system, allowing you to isolate circuits or equipment for maintenance without the risk of shocks or damage. With smooth operation and robust design, our isolators make electrical work a breeze. Don't compromise on safety – “choose our isolators for peace of mind.”



ISOLATOR

PARAMOUNT SAFETY FOR ELECTRICAL MAINTENANCE OR REPAIRS

Isolators

Polycab Isolators can be used as a main switch in wide variety of applications. These isolators are tested according to IS/IEC 60947-3 standard and fulfill the requirements for isolation function. Utilization category ensures possibility of switching mixed resistive and inductive loads with low overloads. Isolators are produced in modular design with width one module unit for all versions up to 4-pole.

Salient Features

- Contact Indication
- Label Holder

Technical Specifications

| Parameter | Remarks |
|--|--|
| Standard Conformity | IS /IEC 60947-3 |
| Rated Current (In) | 40A, 63A, 80A, 100A, 125A |
| No. of Poles | SP/DP/TP/FP |
| Utilisation category | AC 22 A |
| Rated Voltages (Ue) | 240 / 415 Vac |
| Rated Frequency | 50/60 Hz |
| Rated Insulation Voltage (Ui) | 690V |
| Rated Impulse Voltage (Uimp) | 6kV |
| Dielectric strength | 2.5kV |
| Rated Short Time withstand current (Icw) | 1500A for 1 sec |
| Terminal Capacity (max.) | 50sqmm |
| Terminal tightening torque | 2.5Nm |
| Electrical/Mechanical Life | As per IS/IEC 60947-3 |
| Degree of Protection | IP 20 |
| Operating Temperature | -5 to + 55°C |
| Installation Position | Vertical/Horizontal |
| Mounting Clip on Din rail | (35mm x 7.5mm) |
| Bus bar connection | Pin type/Fork type, (Both side) |
| Shock resistance | 40mm free fall |
| Vibration | 3g |
| Case & Cover | Flame retardant thermoplastic material |



Single Pole Isolator

(AC22A)

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|------------|----------------|--------------|-----|
| GMS501P001 | 40A | 01/12/108 | 406 |
| GMS501P002 | 63A | 01/12/108 | 472 |



Double Pole Isolator

(AC22A)

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|------------|----------------|--------------|------|
| GMS502P001 | 40A | 01/06/054 | 600 |
| GMS502P002 | 63A | 01/06/054 | 735 |
| GMS502P003 | 80A | 01/06/054 | 957 |
| GMS502P004 | 100A | 01/06/054 | 967 |
| GMS502P005 | 125A | 01/06/054 | 1003 |



Three Pole Isolator

(AC22A)

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|------------|----------------|--------------|------|
| GMS503P001 | 40A | 01/04/036 | 907 |
| GMS503P002 | 63A | 01/04/036 | 1108 |
| GMS503P003 | 80A | 01/04/036 | 1390 |
| GMS503P004 | 100A | 01/04/036 | 1451 |
| GMS503P005 | 125A | 01/04/036 | 1451 |



Four Pole Isolator

(AC22A)

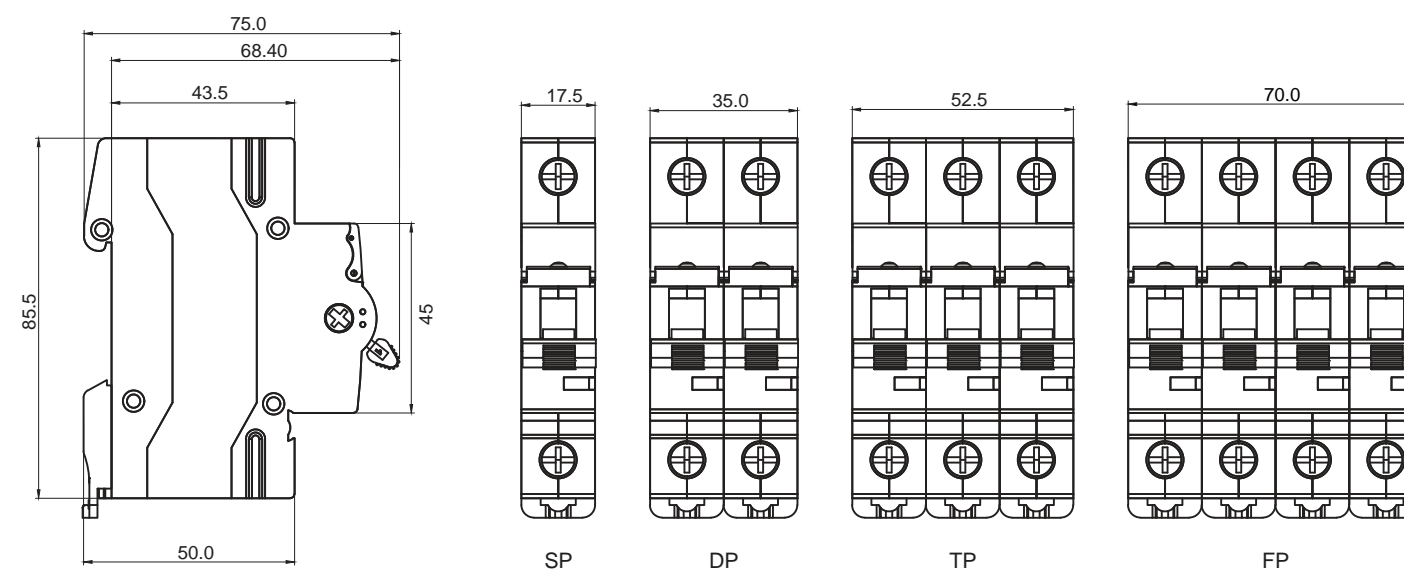
| Item Code | Current Rating | PACK (P/S/M) | MRP |
|------------|----------------|--------------|------|
| GMS504P001 | 40A | 01/03/027 | 1209 |
| GMS504P002 | 63A | 01/03/027 | 1403 |
| GMS504P003 | 80A | 01/03/027 | 1947 |
| GMS504P004 | 100A | 01/03/027 | 1947 |
| GMS504P005 | 125A | 01/03/027 | 2078 |

Range

| Item Code | | | | |
|-------------|------------|------------|------------|------------|
| Rating (in) | SP | DP | TP | FP |
| 40 A | GMS501P001 | GMS502P001 | GMS503P001 | GMS504P001 |
| 63 A | GMS501P002 | GMS502P002 | GMS503P002 | GMS504P002 |
| 80 A | - | GMS502P003 | GMS503P003 | GMS504P003 |
| 100 A | - | GMS502P004 | GMS503P004 | GMS504P004 |
| 125 A | - | GMS502P005 | GMS503P005 | GMS504P005 |



Dimension (mm)



SEAMLESS TRANSITION
BETWEEN POWER SOURCES



MCB COS
MCB Changeover Switch

Do you need a changeover switch in
your electrical setup?

If you're facing a power outage or need to switch between different power sources smoothly, that's where our changeover switches come in handy. Our change over switches ensure seamless transitions between power sources, keeping your electricity flowing consistently and safely.

For places which face electrical supply disruptions and rely on alternative energy sources such as generators etc, change over switch is used for easy switching.



With our reliable
performance and
user-friendly design,
why settle for anything less?

Experience smooth power changeover with our
MCB Changeover Switches.



DP MCB Changeover Switch

(In accordance with IS/IEC 60947-3)

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|------------|----------------|--------------|------|
| GMC102P001 | 25A | 01/06/054 | 1233 |
| GMC102P002 | 40A | 01/06/054 | 1626 |
| GMC102P003 | 63A | 01/06/054 | 2070 |



FP MCB Changeover Switch

(In accordance with IS/IEC 60947-3)

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|------------|----------------|--------------|------|
| GMC104P001 | 25A | 01/03/027 | 2489 |
| GMC104P002 | 40A | 01/03/027 | 3277 |
| GMC104P003 | 63A | 01/03/027 | 4190 |

Technical Specifications

| Parameter | Remarks |
|----------------------------|--|
| Standard Conformity | IS/IEC 60947-3 |
| Rated Current (In) (A) | 25A, 40A, 63A |
| No. of Poles | DP & FP |
| Rated Voltage (Ue) | 240/415 Vac |
| Rated Frequency | 50Hz/60Hz |
| Rated Insulation Voltage | 660V |
| Rated Impulse Voltage | 4kV |
| Dielectric Strength | 2.5kV |
| Utilization Category | AC22A |
| Terminal Capacity (max.) | 25sqmm |
| Terminal tightening torque | 2 Nm |
| Degree of protection | IP 20 |
| Operating Temperature | -5 to + 55°C |
| Installation Position | Vertical/Horizontal |
| Mounting Clip on Din rail | (35mm x 7.5mm) |
| Case & Cover | Flame retardant thermoplastic material |



Dimensions (mm)

Dolly Position Pictorial Presentation



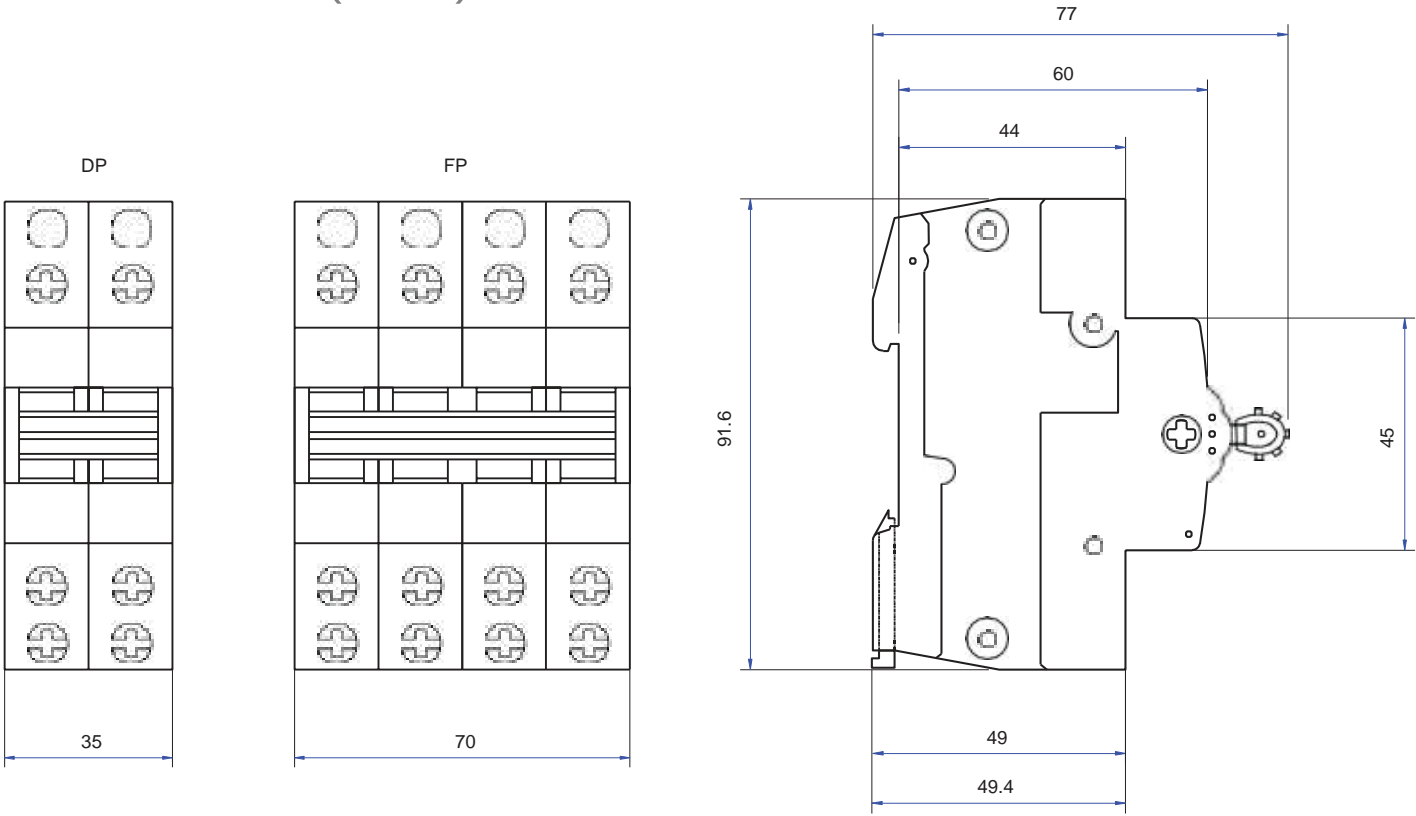
Source I



All OFF



Source II



ACCL

Automatic Changeover with
Current Limiter

**RELIABLE POWER SUPPLY,
EVEN WHEN THE UNEXPECTED HAPPENS**

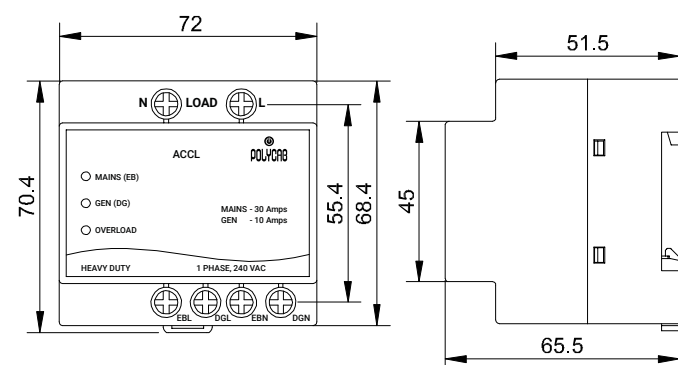
Is an ACCL a must-have for your electrical setup?

Sudden power fluctuations or outages can wreak havoc on your appliances. But with our ACCL, you're protected. It automatically switches between power sources while keeping the current in check to prevent damage. It is typically used for big setups like multi story buildings, etc.

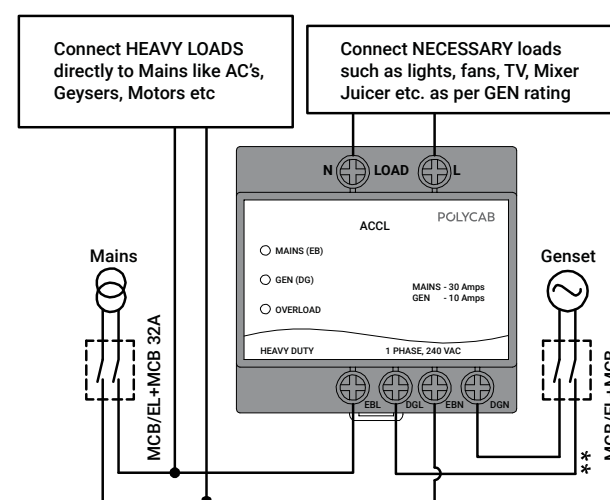
With our ACCL, you can trust in reliable power supply, even when the unexpected happens. Don't settle for uncertainty – choose our ACCL for your peace of mind and uninterrupted electricity.

Dimensions (mm)

Overall Mechanical Dimensions



Recommended Load Connections



TECHINAL SPECIFICATIONS

- Supply voltage: 240Vac
- Supply frequency: 50Hz
- Power consumption: <0.2 VA (Mains)
15VA@240Vac (Genset)
- Operating temperature: -5 to 55°C
- Pollution degree: 3
- IP protection: IP20

CHANGEOVER DELAYS

- Mains to Genset: 5sec typical
- Overload warning: 10sec ON, 10sec OFF
10sec ON, 20sec OFF
10sec ON, 30sec OFF
10sec ON, 02min OFF

The last cycle will be continued untill the overload is reduced to the rated load.

LED INDICATIONS

| CONDITIONS | MAINS (Blue) | GEN (Red) | OVERLOAD (Amber) |
|------------------|-----------------|--------------|---------------------|
| Mains ON | ON | OFF | OFF |
| Genset ON | OFF | ON | OFF |
| Overload | OFF | ON | BLINK |

Single Phase ACCL

(In accordance with IEC 60947-3, IEC60947-6) 240V, 50Hz & Conditional short circuit current 5kA

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|-------------------|-----------------------|--------------|------|
| GMC30SP005 | Mains: 30A, Gen: 0.5A | 01/00/018 | 3105 |
| GMC30SP010 | Mains: 30A, Gen: 1A | 01/00/018 | 3105 |
| GMC30SP015 | Mains: 30A, Gen: 1.5A | 01/00/018 | 3105 |
| GMC30SP025 | Mains: 30A, Gen: 2.5A | 01/00/018 | 3105 |
| GMC30SP030 | Mains: 30A, Gen: 3A | 01/00/018 | 3105 |
| GMC30SP040 | Mains: 30A, Gen: 4A | 01/00/018 | 3105 |
| GMC30SP050 | Mains: 30A, Gen: 5A | 01/00/018 | 3105 |
| GMC30SP060 | Mains: 30A, Gen: 6A | 01/00/018 | 3105 |
| GMC30SP080 | Mains: 30A, Gen: 8A | 01/00/018 | 3105 |
| GMC30SP090 | Mains: 30A, Gen: 9A | 01/00/018 | 3105 |
| GMC30SP100 | Mains: 30A, Gen: 10A | 01/00/018 | 3105 |
| GMC30SP150 | Mains: 30A, Gen: 15A | 01/00/018 | 3105 |
| GMC30SP200 | Mains: 30A, Gen: 20A | 01/00/018 | 3105 |
| GMC30SP250 | Mains: 30A, Gen: 25A | 01/00/018 | 3105 |
| GMC30SP300 | Mains: 30A, Gen: 30A | 01/00/018 | 3105 |



MINI DP MCB IN ENCLOSURE

Technical Details on Mini DP MCB in Enclosure

| Parameter | Remarks |
|----------------------------------|-----------------------------------|
| Standard Conformity | IS/IEC60898-1 |
| Tripping Characteristic | C TYPE |
| Rated Current In(A) | 16A/20A/25A/32A |
| Rated Voltage Ue (V) | 240V |
| Rated Frequency f (Hz) | 50HZ |
| Nos of Pole | DP |
| Rated Breaking Capacity | 3kA |
| Energy Limiting Class | 3 |
| Degree of Protection | IP20 |
| Type of Trip | C Type |
| Terminal Capacity | 10 sqmm |
| Mechanism | Trip Free Mechanism |
| Rated Insulation Voltage | 500V |
| Rated Impulse Voltage | 4kv |
| Dielectric Strength | 1.5kv |
| Operating Temperature | -5 to +55° C with Derating Factor |
| Case & Cover Materials | Poly Amide |
| Electrical Life | more than 4000 Operation |
| Mechanical Life | 10000 Operation |
| Enclosure Material | Poly Carbonate |
| Degree of Protection (Enclosure) | IP40 |
| Dimension Detail (With MCB) | 102.40mm x 58.20mm x 64.0mm |



Mini DP MCB With Enclosure
(102.4mm x 58.2mm x 64mm)

| Item Code | Current Rating | PACK (P/S/M) | MRP |
|---------------|--------------------|--------------|-----|
| GMN102E003-06 | 16A, 20A, 25A, 32A | 01/10/100 | 629 |

Short Circuit Breaking Capacity 3kA

FEATURES:

- Provides LED indication of supply
 - Energy saving - low watt loss
- Longer life due to copper-silver contacts
 - High quality fire retardant material

SEAMLESS POWER WITH UNCOMPROMISED SAFETY

MODULAR AC BOX WITH MINI MCB

(PLASTIC SURFACE BOX)



This AC modular box has been engineered to deliver superior performance and reliability, ensuring optimal functionality across a wide range of applications. With its robust design and enhanced durability, the AC modular box is set to become a key component in your product offerings.

Modular Ac Box



| Item Code | Description | PACK (P/S/M) | MRP |
|-------------|--|--------------|-----|
| SAC0700002 | 4 Module - Modular AC box with Mini MCB, Indicator & Plastic Surface Box | 1/00/10 | 600 |
| SAC07000011 | 3 Module - Modular AC box with Mini MCB & Plastic Surface Box | 1/00/10 | 560 |

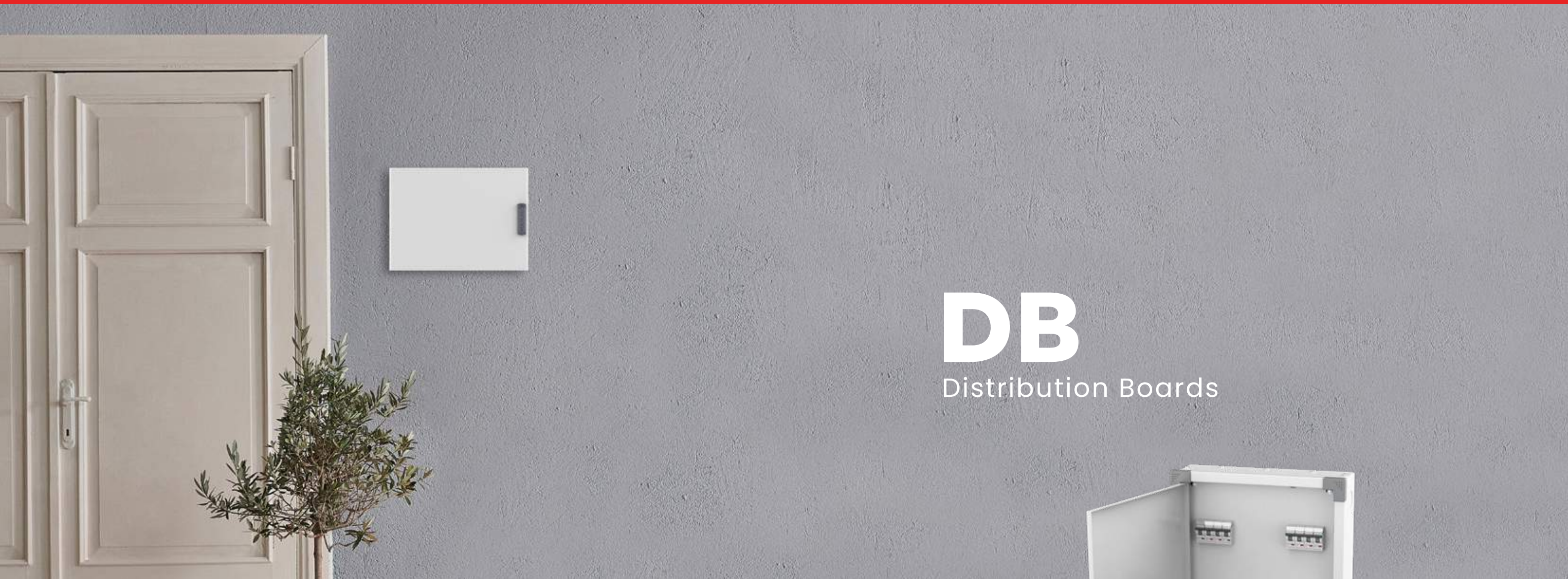
Technical Specification

- Modular box with single pole 20A mini MCB
- 16A Plug top with ISI mark (Tested Upto 20A)
- 16A Socket with ISI mark & safety shutter (tested Upto 20A)
- Overload and short circuit protection of home appliances
- Heavy duty brass part with sliver plating in socket

Features

- ISI socket with safety shutter
- Overload and short circuit protection
- Power supply indicator
- User friendly aesthetic design
- FR grade Polycarbonate

A CENTRALIZED HUB FOR ORGANIZED AND SAFE POWER DISTRIBUTION



DB Distribution Boards

Is a distribution box needed just for aesthetics?

Managing your circuits is a chaotic nightmare. But with our distribution boards, you get a centralized hub for organized and safe power distribution, protecting your switchgears while ensuring efficient power management and enhanced safety features.

So, why deal with the chaos? Choose our distribution boards for a smarter, safer electrical setup."



DB FEATURES



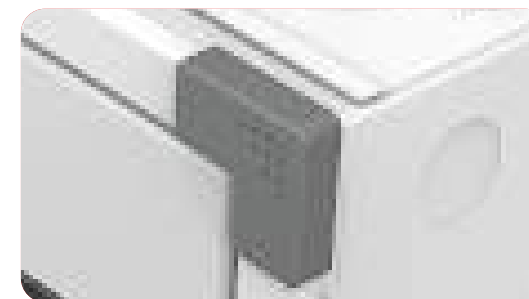
Compact Design

Designed with space efficiency in mind, the compact form factor of the distribution box allows for easy installation in areas with limited space. Despite its small footprint, it maintains full functionality and accessibility. This makes it a practical choice for both new constructions and retrofit projects.



Ø32 and Ø26 Knockout Provisions for Easy Wiring

The distribution box includes Ø32 and Ø26 knockout provisions, enabling quick and flexible cable entry. These pre-punched knockouts simplify the wiring process and reduce installation time. They support a variety of conduit sizes, enhancing adaptability on-site.



Stylish Plastic Corners to Protect the Door from Damage and Enhance Appearance

Stylish plastic corner protectors are integrated into the design to safeguard the door edges from mechanical damage. These corners also contribute to the sleek and modern look of the enclosure. They enhance both the durability and visual appeal of the product.



Anti-Insertion Embossed Markings for Flush Mounting

Embossed anti-insertion markings are provided to guide accurate flush mounting. These markings help prevent incorrect installation and ensure a secure fit against the wall. This feature supports a professional finish and structural integrity.



Degree of Protection: IP30/IP42 Range Available

Polycab Distribution Boxes are available with IP30 and IP42 protection ratings, offering dependable resistance against solid objects and limited moisture ingress. These ratings make them ideal for indoor environments where safety and durability are essential. The enclosures ensure reliable performance in both residential and commercial applications.



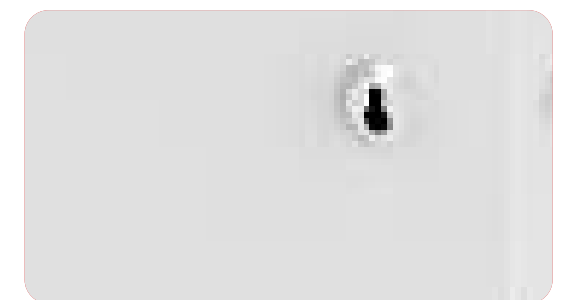
Coated with RAL 9003 White Fine Texture

Each box is coated with a high-quality RAL 9003 white fine-textured finish, providing a clean and modern appearance. This powder coating not only enhances the aesthetic appeal but also improves resistance to corrosion and wear. It ensures long-lasting surface protection in various installation settings.



Acrylic Design Available

DBs with acrylic front panel on is available, offering a transparent view of internal components without the need to open the box. This design enhances safety and convenience during inspection and maintenance. It also adds a contemporary touch to the overall appearance.



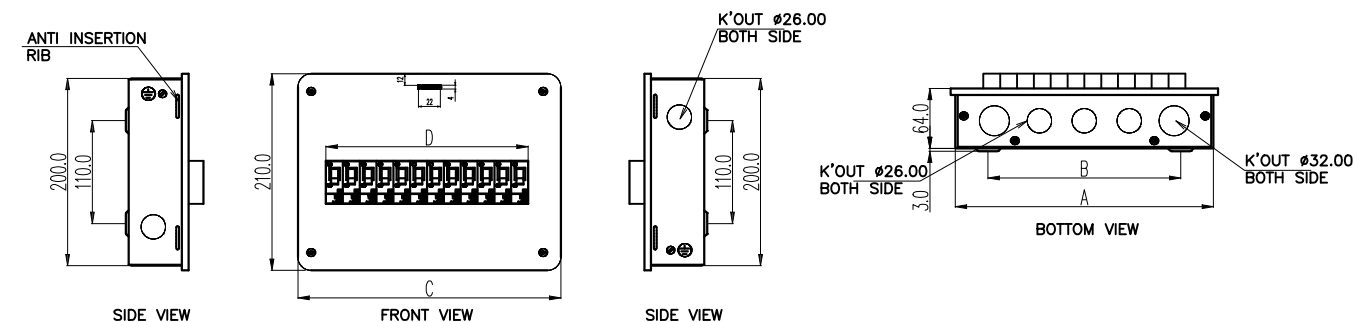
Keyholes for Easy Mounting

The enclosure is equipped with keyhole slots that allow for quick and hassle-free wall mounting. These slots simplify the installation process and ensure a stable, secure attachment. This feature is especially beneficial for time-sensitive or large-scale installations.



(Sheet metal) (RAL- 9003 fine white texture, IP 30)

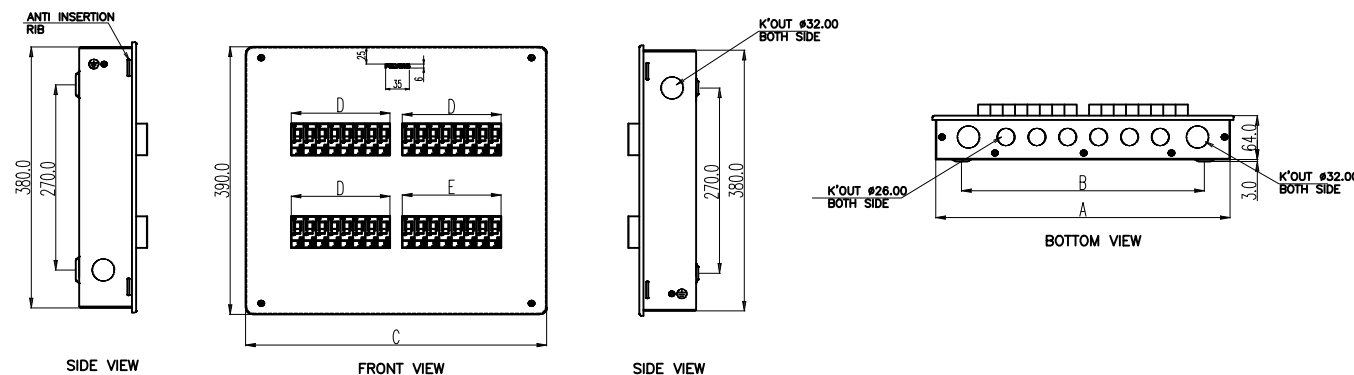
| Item Code | No. of Ways | PACK (P/S/M) | MRP |
|------------|-------------|--------------|------|
| GPDSN10016 | 04W | 01/00/006 | 1203 |
| GPDSN10017 | 06W | 01/00/006 | 1332 |
| GPDSN10018 | 08W | 01/00/006 | 1439 |
| GPDSN10019 | 12W | 01/00/004 | 1949 |
| GPDSN10020 | 16W | 01/00/004 | 2412 |



| Way | Item Code | A | B | C | D | NEUTRAL LINK (C/S 9X6) | EARTHING LINK (C/S 9X6) | BUSBAR |
|-----|------------|-----|-----|-----|-----|---------------------------|----------------------------|-------------|
| 04W | GPDSNI0016 | 132 | 62 | 142 | 72 | 4 WAY - 1X | 4 WAY - 1X | 3 WAY - 1X |
| 06W | GPDSNI0017 | 168 | 98 | 178 | 108 | 4 WAY - 1X | 4 WAY - 1X | 5 WAY - 1X |
| 08W | GPDSNI0018 | 204 | 134 | 214 | 144 | 6 WAY - 1X | 6 WAY - 1X | 7 WAY - 1X |
| 12W | GPDSNI0019 | 276 | 206 | 286 | 216 | 10 WAY - 1X | 10 WAY - 1X | 11 WAY - 1X |
| 16W | GPDSNI0020 | 348 | 278 | 358 | 288 | 14 WAY - 1X | 14 WAY - 1X | 15 WAY - 1X |

(Sheet metal) (RAL- 9003 fine white texture, IP 30)

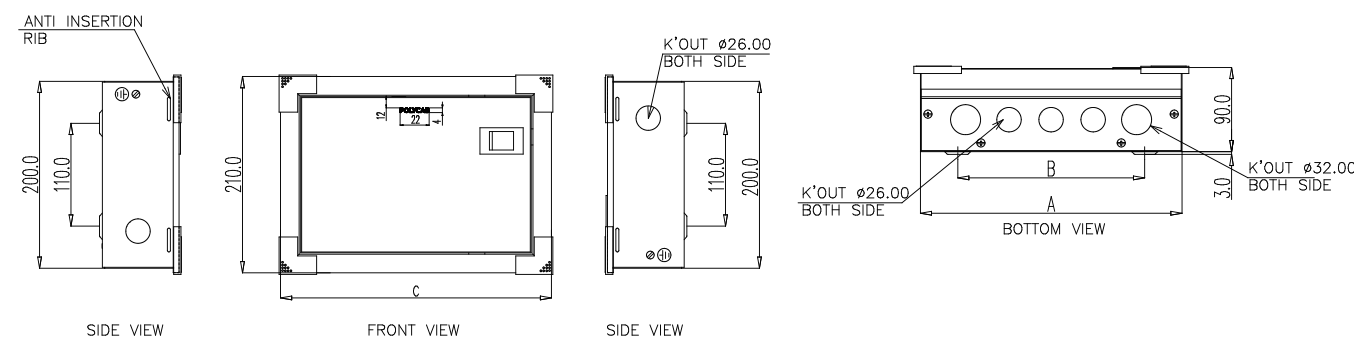
| Item Code | No. of Ways | PACK (P/S/M) | MRP |
|------------|-------------|--------------|------|
| GPDTN10031 | 04W 4+12 | 1 | 3475 |
| GPDTN10032 | 04W 8+12 | 1 | 3538 |
| GPDTN10033 | 06W 8+18 | 1 | 4224 |
| GPDTN10034 | 08W 8+24 | 1 | 4862 |
| GPDTN10030 | 12W 8+36 | 1 | 6322 |



| Way | | Item Code | A | B | C | D | E | NEUTRAL LINK (C/S 9X6) | EARTHING LINK (C/S 9X6) | BUSBAR |
|-----|------|------------|-----|-----|-----|-----|-----|---------------------------|----------------------------|-------------|
| 04W | 4+12 | GPDTNI0031 | 285 | 210 | 295 | 72 | 72 | 6 WAY - 2X | 6 WAY - 2X | 4 WAY - 3X |
| 04W | 8+12 | GPDTNI0032 | 357 | 282 | 367 | 72 | 144 | 6 WAY - 2X | 6 WAY - 2X | 4 WAY - 3X |
| 06W | 8+18 | GPDTNI0033 | 393 | 318 | 403 | 108 | 144 | 10 WAY - 2X | 10 WAY - 2X | 6 WAY - 3X |
| 08W | 8+24 | GPDTNI0034 | 429 | 354 | 439 | 144 | 144 | 12 WAY - 2X | 12 WAY - 2X | 8 WAY - 3X |
| 12W | 8+36 | GPDTNI0030 | 573 | 498 | 583 | 216 | 144 | 18 WAY - 2X | 18 WAY - 2X | 12 WAY - 3X |

(Sheet metal) (RAL- 9003 fine white texture, IP 42)

| Item Code | No. of Ways | PACK (P/S/M) | MRP |
|------------|-------------|--------------|------|
| GPDSN20016 | 04W | 01/00/006 | 1839 |
| GPDSN20012 | 06W | 01/00/006 | 2130 |
| GPDSN20017 | 08W | 01/00/006 | 2323 |
| GPDSN20018 | 12W | 01/00/004 | 2844 |
| GPDSN20019 | 16W | 01/00/004 | 3751 |



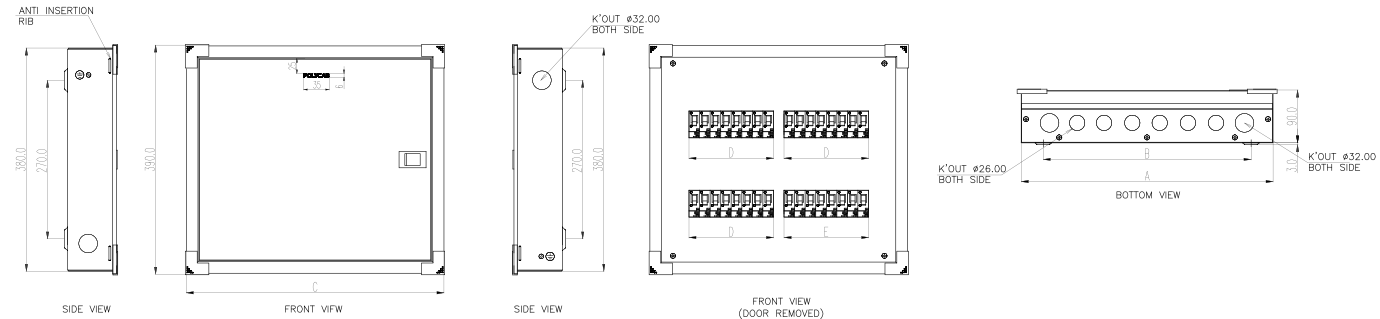
| Way | Item Code | A | B | C | NEUTRAL LINK (C/S 9X6) | EARTHING LINK (C/S 9X6) | BUSBAR |
|-----|------------|-----|-----|-----|---------------------------|----------------------------|-------------|
| 04W | GPDSN20016 | 136 | 56 | 146 | 4 WAY - 1X | 4 WAY - 1X | 3 WAY - 1X |
| 06W | GPDSN20012 | 172 | 92 | 182 | 4 WAY - 1X | 4 WAY - 1X | 5 WAY - 1X |
| 08W | GPDSN20017 | 208 | 128 | 218 | 6 WAY - 1X | 6 WAY - 1X | 7 WAY - 1X |
| 12W | GPDSN20018 | 280 | 200 | 290 | 10 WAY - 1X | 10 WAY - 1X | 11 WAY - 1X |
| 16W | GPDSN20019 | 352 | 272 | 362 | 14 WAY - 1X | 6 WAY - 2X | 15 WAY - 1X |



TPN Double Door DB

(Sheet metal) (RAL- 9003 fine white texture, IP 42)

| Item Code | No. of Ways | PACK (P/S/M) | MRP |
|------------|-------------|--------------|-------|
| GPDTN20064 | 04W 4+12 | 1 | 4477 |
| GPDTN20065 | 04W 8+12 | 1 | 4695 |
| GPDTN20066 | 06W 8+18 | 1 | 5675 |
| GPDTN20067 | 08W 8+24 | 1 | 7154 |
| GPDTN20068 | 12W 8+36 | 1 | 10919 |



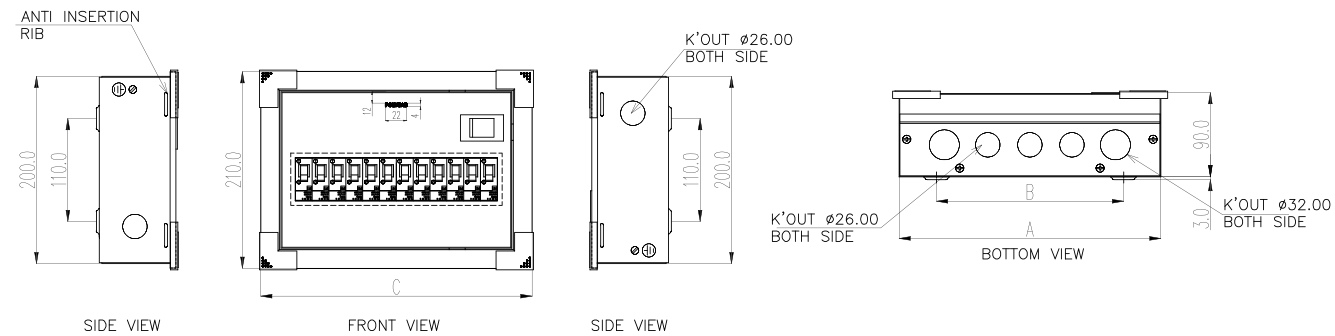
| Way | | Item Code | A | B | C | D | E | NEUTRAL LINK (c/s 9X6) | EARTHING LINK (c/s 9X6) | BUSBAR |
|-----|------|------------|-----|-----|-----|-----|-----|---------------------------|----------------------------|-------------|
| 04W | 4+12 | GPDTN20064 | 285 | 210 | 295 | 72 | 72 | 6 WAY - 2X | 6 WAY - 2X | 4 WAY - 3X |
| 04W | 8+12 | GPDTN20065 | 357 | 282 | 367 | 72 | 144 | 6 WAY - 2X | 6 WAY - 2X | 4 WAY - 3X |
| 06W | 8+18 | GPDTN20066 | 393 | 318 | 403 | 108 | 144 | 10 WAY - 2X | 10 WAY - 2X | 6 WAY - 3X |
| 08W | 8+24 | GPDTN20067 | 429 | 354 | 439 | 144 | 144 | 12 WAY - 2X | 12 WAY - 2X | 8 WAY - 3X |
| 12W | 8+36 | GPDTN20068 | 573 | 498 | 583 | 216 | 144 | 18 WAY - 2X | 18 WAY - 2X | 12 WAY - 3X |



SPN Acrylic Double Door DB

(Sheet metal) (RAL- 9003 fine white texture, IP 42)

| Item Code | No. of Ways | PACK (P/S/M) | MRP |
|------------|-------------|--------------|------|
| GPDSN30006 | 04W | 01/00/006 | 2125 |
| GPDSN30007 | 06W | 01/00/006 | 2566 |
| GPDSN30008 | 08W | 01/00/006 | 2863 |
| GPDSN30009 | 12W | 01/00/004 | 3549 |
| GPDSN30010 | 16W | 01/00/004 | 4744 |



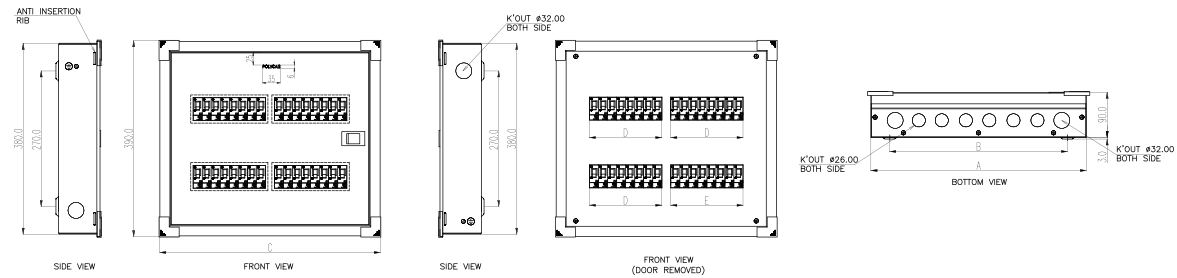
| Way | Item Code | A | B | C | NEUTRAL LINK (c/s 9X6) | EARTHING LINK (c/s 9X6) | BUSBAR |
|-----|------------|-----|-----|-----|---------------------------|----------------------------|-------------|
| 04W | GPDSN30006 | 136 | 56 | 146 | 4 WAY - 1X | 4 WAY - 1X | 3 WAY - 1X |
| 06W | GPDSN30007 | 172 | 92 | 182 | 4 WAY - 1X | 4 WAY - 1X | 5 WAY - 1X |
| 08W | GPDSN30008 | 208 | 128 | 218 | 6 WAY - 1X | 6 WAY - 1X | 7 WAY - 1X |
| 12W | GPDSN30009 | 280 | 200 | 290 | 10 WAY - 1X | 10WAY - 1X | 11 WAY - 1X |
| 16W | GPDSN30010 | 352 | 272 | 362 | 14 WAY - 1X | 6 WAY - 2X | 15 WAY - 1X |



TPN Acrylic Double Door DB

(Sheet metal) (RAL- 9003 fine white texture, IP 42)

| Item Code | No. of Ways | PACK (P/S/M) | MRP |
|------------|-------------|--------------|-------|
| GPDTN30006 | 04W 4+12 | 1 | 5834 |
| GPDTN30007 | 04W 8+12 | 1 | 6275 |
| GPDTN30008 | 06W 8+18 | 1 | 7885 |
| GPDTN30009 | 08W 8+24 | 1 | 10228 |
| GPDTN30010 | 12W 8+36 | 1 | 12537 |



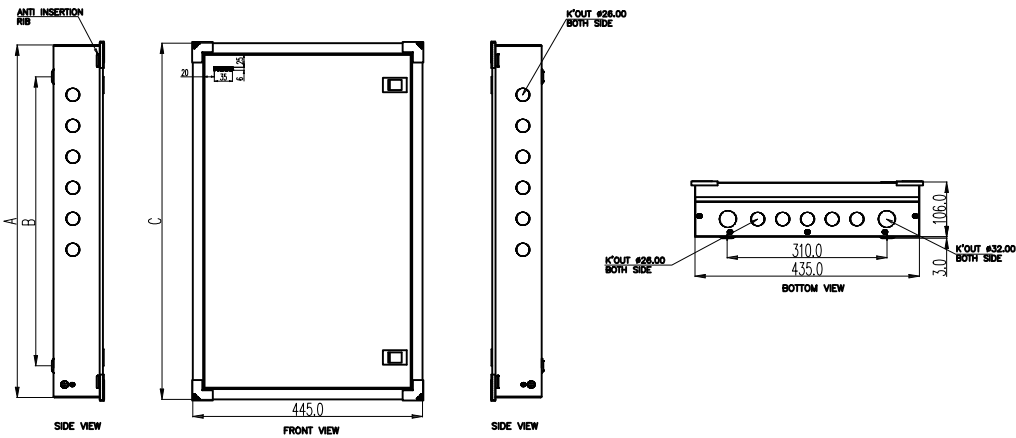
| Way | | Item Code | A | B | C | D | E | NEUTRAL LINK (c/s 9X6) | EARTHING LINK (c/s 9X6) | BUSBAR |
|-----|------|------------|-----|-----|-----|-----|-----|---------------------------|----------------------------|-------------|
| 04W | 4+12 | GPDTN30006 | 285 | 210 | 295 | 72 | 72 | 6 WAY - 2X | 6 WAY - 2X | 4 WAY - 3X |
| 04W | 8+12 | GPDTN30007 | 357 | 282 | 367 | 72 | 144 | 6 WAY - 2X | 6 WAY - 2X | 4 WAY - 3X |
| 06W | 8+18 | GPDTN30008 | 393 | 318 | 403 | 108 | 144 | 10 WAY - 2X | 10 WAY - 2X | 6 WAY - 3X |
| 08W | 8+24 | GPDTN30009 | 429 | 354 | 439 | 144 | 144 | 12 WAY - 2X | 12 WAY - 2X | 8 WAY - 3X |
| 12W | 8+36 | GPDTN30010 | 573 | 498 | 583 | 216 | 144 | 18 WAY - 2X | 18 WAY - 2X | 12 WAY - 3X |



TPN Vertical Double Door DB

(Sheet metal) (RAL- 9003 fine white texture, IP 42)

| Item Code | No. of Ways | PACK (P/S/M) | MRP |
|------------|-------------|--------------|-------|
| GPDTN20069 | 04W 8+12 | 1 | 12279 |
| GPDTN20070 | 06W 8+18 | 1 | 13755 |
| GPDTN20071 | 08W 8+24 | 1 | 15348 |
| GPDTN20072 | 12W 8+36 | 1 | 19910 |



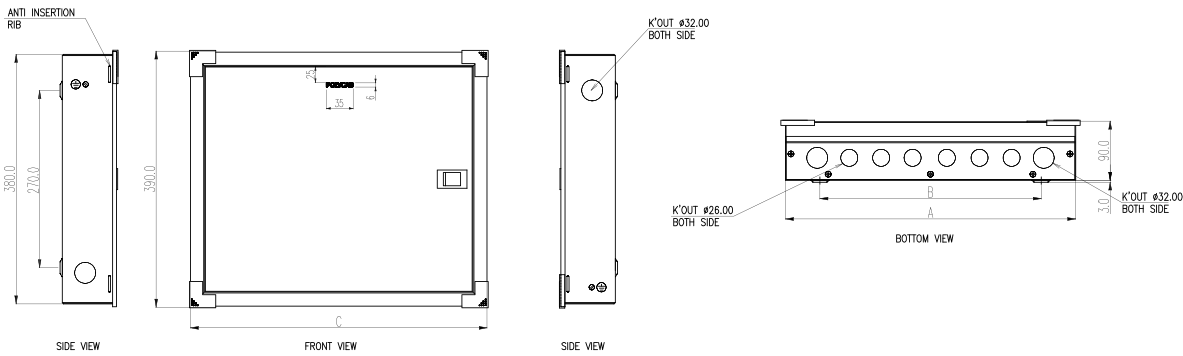
| Way | Item Code | A | B | C | NEUTRAL LINK (c/s 9x6) | EARTHING LINK (c/s 9x6) |
|-----|------------|-----|-----|-----|------------------------|-------------------------|
| 04W | GPDTN20069 | 467 | 344 | 477 | 06 WAY - 2X | 06 WAY - 2X |
| 06W | GPDTN20070 | 521 | 398 | 531 | 10 WAY - 2X | 10 WAY - 2X |
| 08W | GPDTN20071 | 575 | 452 | 585 | 12 WAY - 2X | 12 WAY - 2X |
| 12W | GPDTN20072 | 683 | 560 | 693 | 18 WAY - 2X | 18 WAY - 2X |



TPN Per Phase Isolation (PPI) Horizontal Double Door DB

(Sheet metal) (RAL- 9003 fine white texture, IP 42)

| Item Code | No. of Ways | PACK (P/S/M) | MRP |
|------------|--------------|--------------|-------|
| GPDTN20077 | 04+2W 8+6+12 | 1 | 7029 |
| GPDTN20078 | 06+2W 8+6+18 | 1 | 9070 |
| GPDTN20079 | 08+2W 8+6+24 | 1 | 10803 |
| GPDTN20080 | 12+2W 8+6+36 | 1 | 13063 |



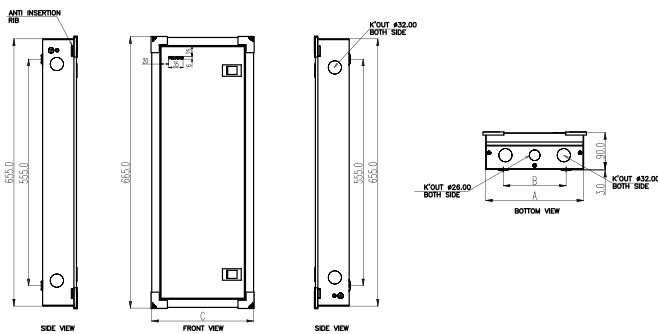
| Way | | Item Code | A | B | C | NEUTRAL LINK (c/s 9x6) | EARTHING LINK (c/s 9x6) | BUSBAR |
|------|--------|------------|-----|-----|-----|---------------------------|-------------------------|-------------|
| 4+2 | 8+6+12 | GPDTN20077 | 406 | 301 | 416 | 4 WAY - 3X 4 WAY - 1X | 6 WAY - 2X | 5 WAY - 3X |
| 6+2 | 8+6+18 | GPDTN20078 | 442 | 337 | 452 | 6 WAY - 3X 4 WAY - 1X | 10 WAY - 2X | 7 WAY - 3X |
| 8+2 | 8+6+24 | GPDTN20079 | 514 | 409 | 524 | 10 WAY - 3X 4 WAY - 1X | 12 WAY - 2X | 9 WAY - 3X |
| 12+2 | 8+6+36 | GPDTN20080 | 658 | 553 | 668 | 12 WAY - 3X 4 WAY - 1X | 18 WAY - 2X | 13 WAY - 3X |



TPN Per Phase Isolation (PPI) Vertical Double Door DB

(Sheet metal) (RAL- 9003 fine white texture, IP 42)

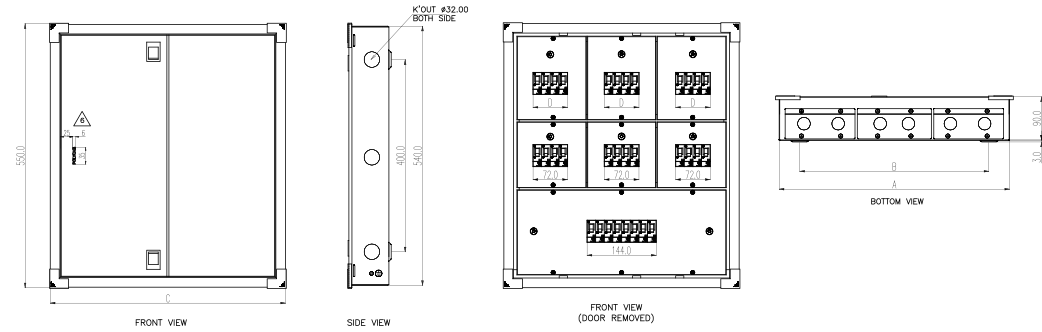
| Item Code | No. of Ways | PACK (P/S/M) | MRP |
|------------|--------------|--------------|-------|
| GPDTN20046 | 04+2W 8+6+12 | 1 | 6786 |
| GPDTN20047 | 06+2W 8+6+18 | 1 | 9793 |
| GPDTN20048 | 08+2W 8+6+24 | 1 | 14359 |
| GPDTN20049 | 12+2W 8+6+36 | 1 | 17862 |



| Way | | Item Code | A | B | C | NEUTRAL LINK (c/s 9x6) | EARTHING LINK (c/s 9x6) | BUSBAR |
|------|--------|------------|-----|-----|-----|---------------------------|-------------------------|-------------|
| 4+2 | 8+6+12 | GPDTN20046 | 240 | 154 | 250 | 6 WAY - 3X 4 WAY - 1X | 10 WAY - 2X | 5 WAY - 3X |
| 6+2 | 8+6+18 | GPDTN20047 | 240 | 154 | 250 | 6 WAY - 3X 4 WAY - 1X | 10 WAY - 2X | 7 WAY - 3X |
| 8+2 | 8+6+24 | GPDTN20048 | 276 | 190 | 286 | 10 WAY - 3X 4 WAY - 1X | 12 WAY - 2X | 9 WAY - 3X |
| 12+2 | 8+6+36 | GPDTN20049 | 348 | 262 | 358 | 12 WAY - 3X 4 WAY - 1X | 18 WAY - 2X | 13 WAY - 3X |

7 Segment TPN Double Door DB
(Sheet metal) (RAL- 9003 fine white texture, IP 42)

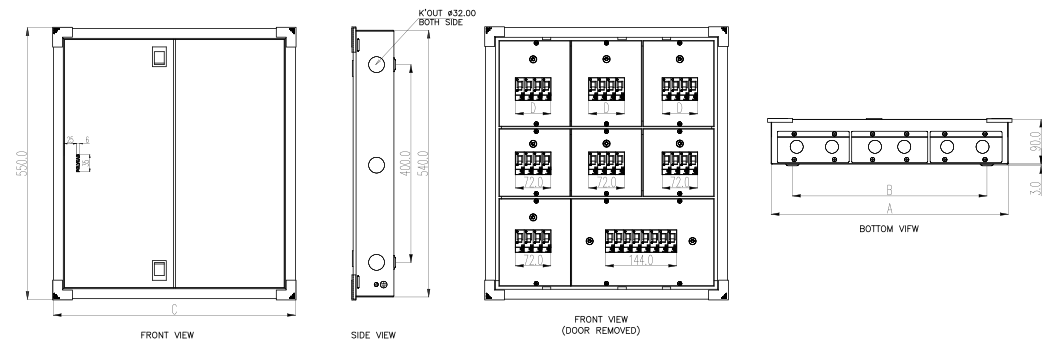
| Item Code | No. of Ways | PACK (P/S/M) | MRP |
|------------|-------------|--------------|-------|
| GPDTN20073 | 04W | 1 | 11269 |
| GPDTN20074 | 06W | 1 | 13451 |
| GPDTN20075 | 08W | 1 | 17254 |
| GPDTN20076 | 12W | 1 | 18927 |



| Way | Item Code | A | B | C | D | NEUTRAL LINK (c/s 9X6) | EARTHING LINK (c/s 9X6) | BUSBAR |
|-----|------------|-----|-----|-----|-----|---------------------------|---------------------------|-------------|
| 4 | GPDTN20073 | 480 | 394 | 490 | 72 | 4 WAY - 4X | 4 WAY - 4X | 4 WAY - 3X |
| 6 | GPDTN20074 | 588 | 502 | 598 | 108 | 4 WAY - 1X 6 WAY - 3X | 4 WAY - 1X 6 WAY - 3X | 6 WAY - 3X |
| 8 | GPDTN20075 | 696 | 610 | 706 | 144 | 4 WAY - 1X 10 WAY - 3X | 4 WAY - 1X 10 WAY - 3X | 8 WAY - 3X |
| 12 | GPDTN20076 | 912 | 826 | 922 | 216 | 4 WAY - 1X 12 WAY - 3X | 4 WAY - 1X 12 WAY - 3X | 12 WAY - 3X |

8 Segment TPN Double Door DB
(Sheet metal) (RAL- 9003 fine white texture, IP 42)

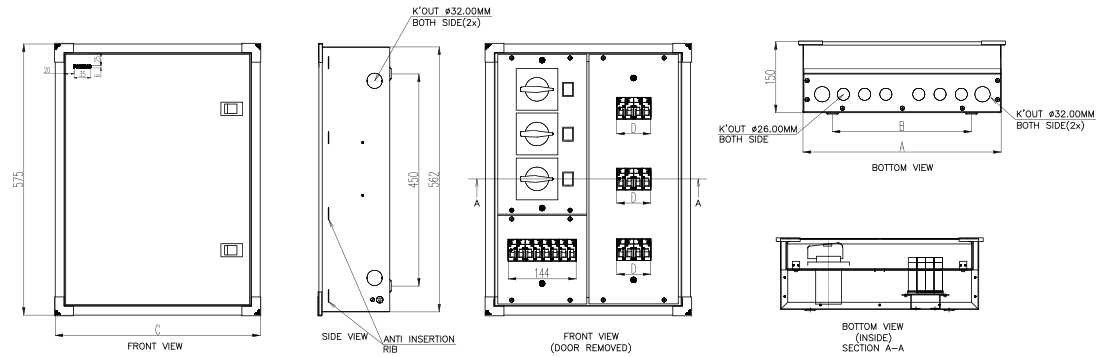
| Item Code | No. of Ways | PACK (P/S/M) | MRP |
|------------|-------------|--------------|-------|
| GPDTN20083 | 04W | 1 | 11530 |
| GPDTN20084 | 06W | 1 | 13763 |
| GPDTN20085 | 08W | 1 | 17651 |
| GPDTN20086 | 12W | 1 | 19366 |



| Way | Item Code | A | B | C | D | NEUTRAL LINK (c/s 9X6) | EARTHING LINK (c/s 9X6) | BUSBAR |
|-----|------------|-----|-----|-----|-----|---------------------------|---------------------------|-------------|
| 4 | GPDTN20083 | 480 | 394 | 490 | 72 | 4 WAY - 5X | 4 WAY - 5X | 4 WAY - 3X |
| 6 | GPDTN20084 | 588 | 502 | 598 | 108 | 4 WAY - 2X 6 WAY - 3X | 4 WAY - 2X 6 WAY - 3X | 6 WAY - 3X |
| 8 | GPDTN20085 | 696 | 610 | 706 | 144 | 4 WAY - 2X 10 WAY - 3X | 4 WAY - 2X 10 WAY - 3X | 8 WAY - 3X |
| 12 | GPDTN20086 | 912 | 826 | 922 | 216 | 4 WAY - 2X 12 WAY - 3X | 4 WAY - 2X 12 WAY - 3X | 12 WAY - 3X |

TPN Phase Selector Double Door DB
(Sheet metal) (RAL- 9003 fine white texture, IP 42)

| Item Code | No. of Ways | PACK (P/S/M) | MRP |
|------------|--------------|--------------|-------|
| GPDTN30021 | 40A 04W 8+12 | 1 | 13639 |
| GPDTN30022 | 63A 04W 8+12 | 1 | 16143 |
| GPDTN30023 | 40A 06W 8+18 | 1 | 13868 |
| GPDTN30024 | 63A 06W 8+18 | 1 | 16160 |
| GPDTN30025 | 40A 08W 8+24 | 1 | 15427 |
| GPDTN30026 | 63A 08W 8+24 | 1 | 17150 |



| Way | | Rating | Item Code | A | B | C | D | NEUTRAL LINK (c/s 9X6) | EARTHING LINK (c/s 9X6) | BUSBAR |
|-----|------|--------|------------|-----|-----|-----|-----|------------------------|-------------------------|------------|
| 04W | 8+12 | 40A | GPDTN30021 | 420 | 295 | 430 | 72 | 4 WAY - 3X | 12 WAY - 1X | 4 WAY - 3X |
| 04W | 8+12 | 63A | GPDTN30022 | 420 | 295 | 430 | 72 | 4 WAY - 3X | 12 WAY - 1X | 4 WAY - 3X |
| 06W | 8+18 | 40A | GPDTN30023 | 456 | 331 | 466 | 108 | 6 WAY - 3X | 18 WAY - 1X | 6 WAY - 3X |
| 06W | 8+18 | 63A | GPDTN30024 | 456 | 331 | 466 | 108 | 6 WAY - 3X | 18 WAY - 1X | 6 WAY - 3X |
| 08W | 8+24 | 40A | GPDTN30025 | 492 | 367 | 502 | 144 | 10 WAY - 3X | 22 WAY - 1X | 8 WAY - 3X |
| 08W | 8+24 | 63A | GPDTN30026 | 492 | 367 | 502 | 144 | 10 WAY - 3X | 22 WAY - 1X | 8 WAY - 3X |

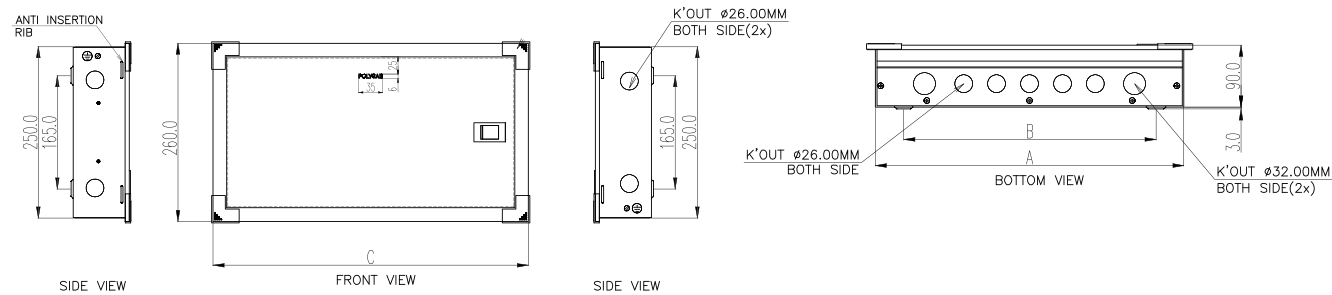


SPN TV Telephone Double Door DB

(Sheet metal) (RAL- 9003 fine white texture, IP 42)



| Item Code | No. of Ways | PACK (P/S/M) | MRP |
|------------|-------------|--------------|------|
| GPDSN40001 | 06W | 1 | 5167 |
| GPDSN40002 | 08W | 1 | 5711 |
| GPDSN40003 | 12W | 1 | 6528 |
| GPDSN40004 | 16W | 1 | 7209 |



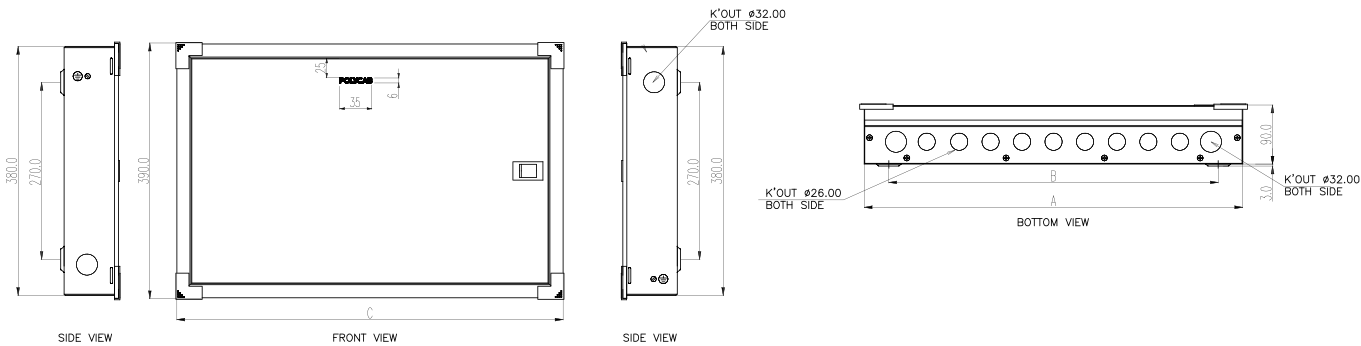
| Way | Item Code | A | B | C | NEUTRAL LINK (c/s 9x6) | EARTHING LINK (c/s 9x6) | BUSBAR |
|-----|------------|-----|-----|-----|------------------------|-------------------------|-------------|
| 06W | GPDSN40001 | 342 | 262 | 352 | 4 WAY - 1X | 4 WAY - 1X | 5 WAY - 1X |
| 08W | GPDSN40002 | 378 | 298 | 388 | 6 WAY - 1X | 6 WAY - 1X | 7 WAY - 1X |
| 12W | GPDSN40003 | 450 | 370 | 460 | 10 WAY - 1X | 10 WAY - 1X | 11 WAY - 1X |
| 16W | GPDSN40004 | 522 | 442 | 532 | 14 WAY - 1X | 14 WAY - 1X | 15 WAY - 1X |

TPN TV Telephone Double Door DB

(Sheet metal) (RAL- 9003 fine white texture, IP 42)



| Item Code | No. of Ways | PACK (P/S/M) | MRP |
|------------|-------------|--------------|-------|
| GPDTN40001 | 04W 8+12 | 1 | 9524 |
| GPDTN40002 | 06W 8+18 | 1 | 10885 |
| GPDTN40003 | 08W 8+24 | 1 | 11834 |
| GPDTN40004 | 12W 8+36 | 1 | 12926 |



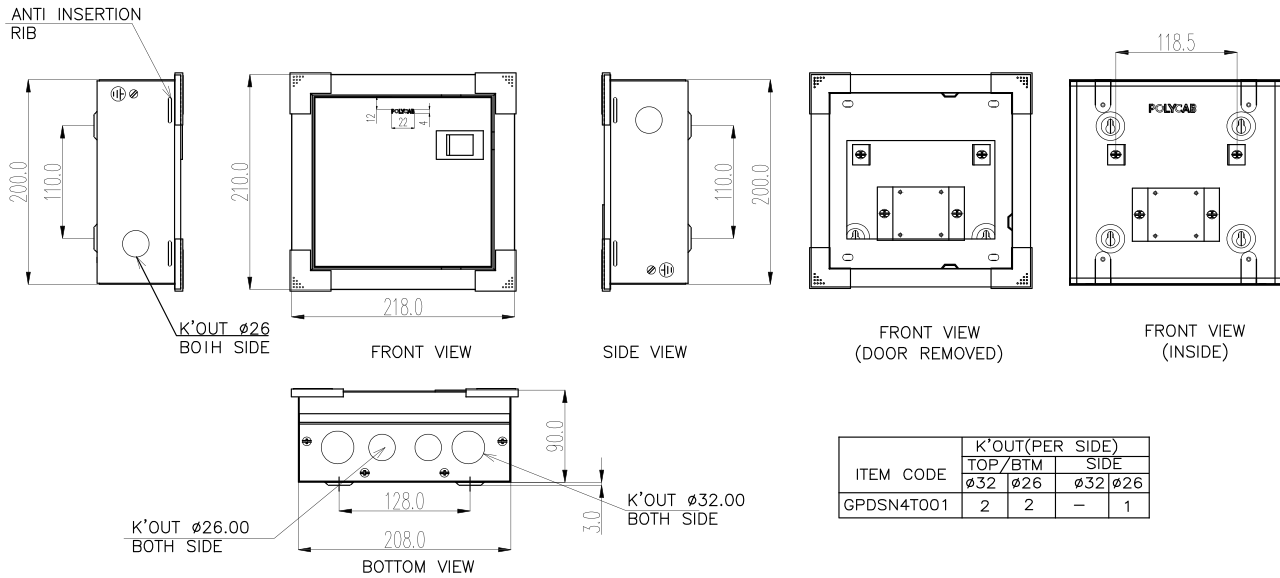
| Way | | Item Code | A | B | C | NEUTRAL LINK (c/s 9x6) | EARTHING LINK (c/s 9x6) | BUSBAR |
|-----|------|------------|-----|-----|-----|------------------------|-------------------------|-------------|
| 04W | 8+12 | GPDTN40001 | 507 | 432 | 517 | 6 WAY - 2X | 6 WAY - 2X | 4 WAY - 3X |
| 06W | 8+18 | GPDTN40002 | 543 | 468 | 553 | 10 WAY - 2X | 10 WAY - 2X | 6 WAY - 3X |
| 08W | 8+24 | GPDTN40003 | 579 | 504 | 589 | 12 WAY - 2X | 12 WAY - 2X | 8 WAY - 3X |
| 12W | 8+36 | GPDTN40004 | 723 | 648 | 733 | 18 WAY - 2X | 18 WAY - 2X | 12 WAY - 3X |

TV Telephone DB Part

(Sheet metal) (RAL- 9003 fine white texture, IP 42)



| Item Code | Description | PACK (P/S/M) | MRP |
|------------|---------------------|--------------|------|
| GPDSN4T001 | TV TEL DB PART ONLY | 1 | 2195 |



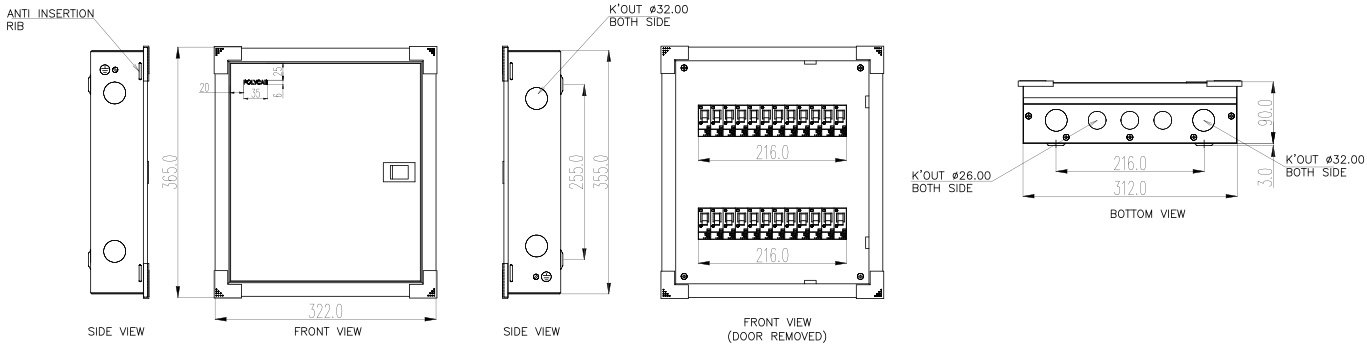
| ITEM CODE | K'OUT(PER SIDE) | | | |
|------------|-----------------|-----|------|-----|
| | TOP/BTM | | SIDE | |
| GPDSN4T001 | ø32 | ø26 | ø32 | ø26 |
| | 2 | 2 | - | 1 |



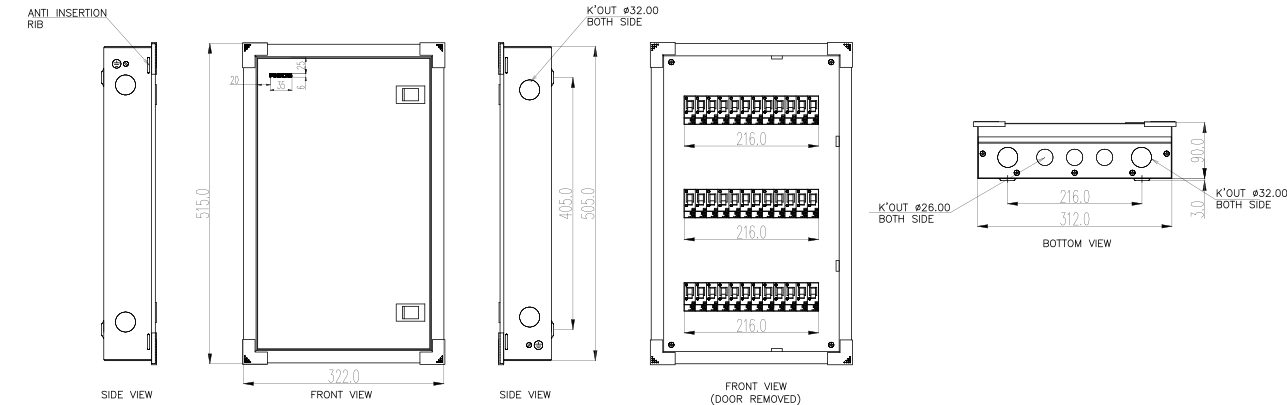
Flexi Tier Double Door DB

(Flexibilty of choosing Incomer & Outgoing as per your requirement, RAL - 9003 fine white texture, IP 42)

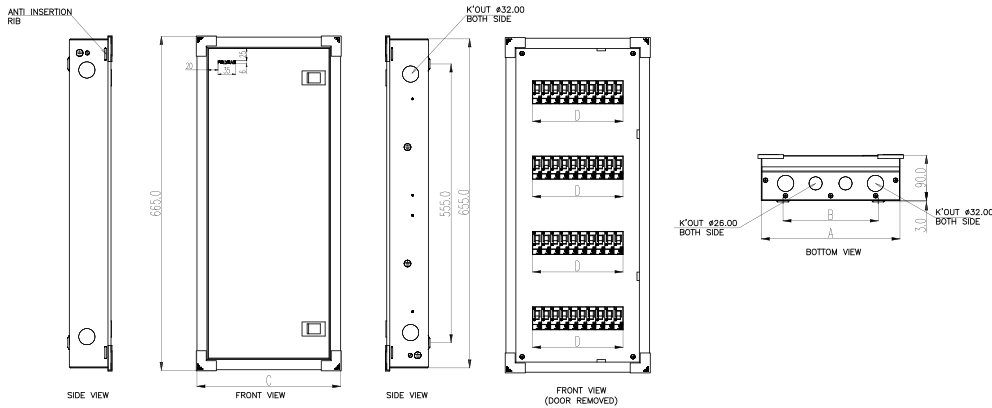
| Item Code | No. of Ways | PACK (P/S/M) | MRP |
|------------|--|--------------|------|
| GPDTN20052 | 02 TIER- 2 row of 12 mod DB 24 MOD DD SM | 1 | 4804 |
| GPDTN20053 | 03 TIER- 3 row of 12 mod DB 36 MOD DD SM | 1 | 6308 |
| GPDTN20054 | 04 TIER- 4 row of 10 mod DB 40 MOD DD SM | 1 | 7892 |
| GPDTN20055 | 04 TIER- 4 row of 14 mod DB 56 MOD DD SM | 1 | 8882 |



| Item Code |
|------------|
| GPDTN20052 |



| Item Code |
|------------|
| GPDTN20053 |

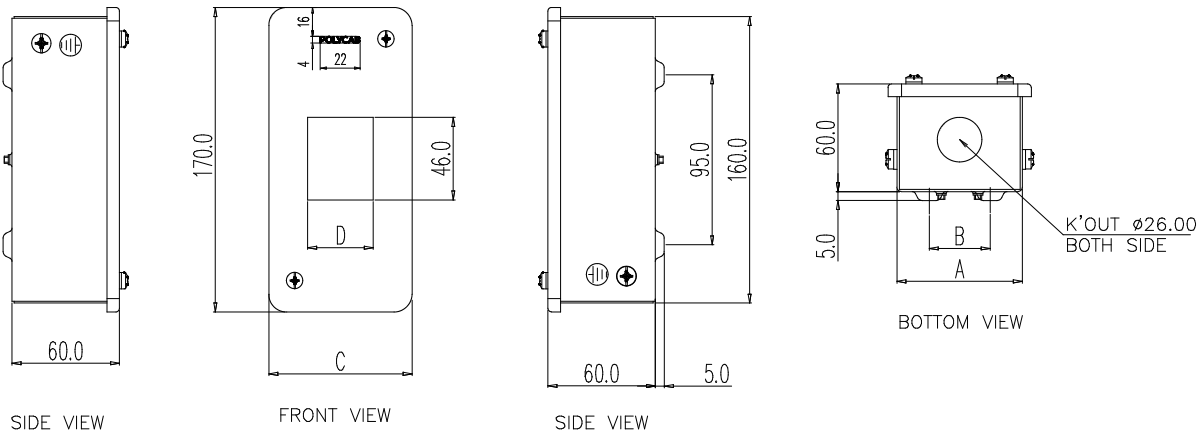


| Way | Item Code | A | B | C | D | NEUTRAL LINK (c/s 9X6) | EARTHING LINK (c/s 9X6) |
|-------|------------|-----|-----|-----|-----|------------------------|-------------------------|
| 4T40M | GPDTN20054 | 276 | 190 | 286 | 180 | 10 WAY - 3X | 18 WAY - 2X |
| 4T56M | GPDTN20055 | 348 | 262 | 358 | 252 | 14 WAY - 3X | 22 WAY - 2X |



MCB Enclosure (Sheet Steel)
(RAL- 9003 fine white texture)

| Item Code | Description | PACK (P/S/M) | MRP |
|------------|-----------------------------|--------------|-----|
| GPDSN10002 | DP CUT-OUT SD SM GREY WHITE | 01/00/030 | 510 |
| GPDTN10002 | FP CUT-OUT SD SM GREY WHITE | 01/00/020 | 570 |



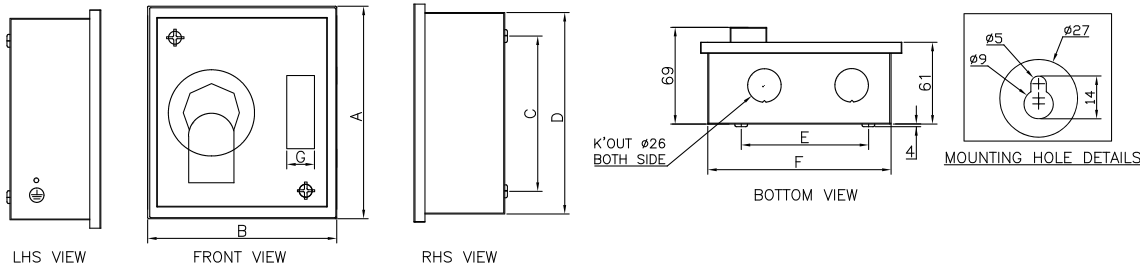
| Description | Item Code | A | B | C | D |
|--------------------|------------|-----|----|-----|------|
| Metal Enclosure DP | GPDSN10002 | 70 | 35 | 80 | 36.6 |
| Metal Enclosure FP | GPDTN10002 | 116 | 71 | 126 | 72 |



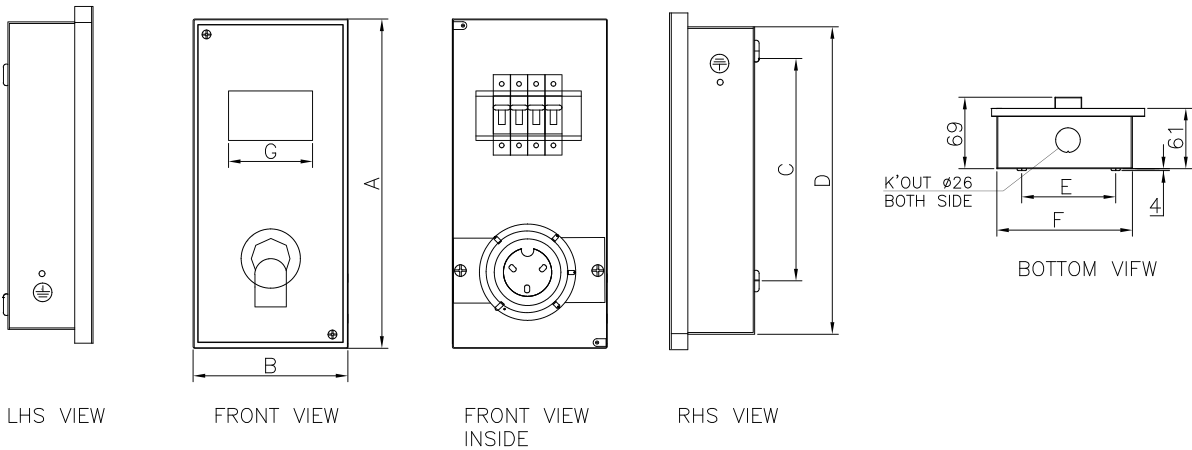
Plug & Socket Box Single Door SM Grey White

(In accordance with IS 13032, IS 8623, IEC / BSEN 61439-3) (RAL - 9003) (IP+N / 3P & Earth)

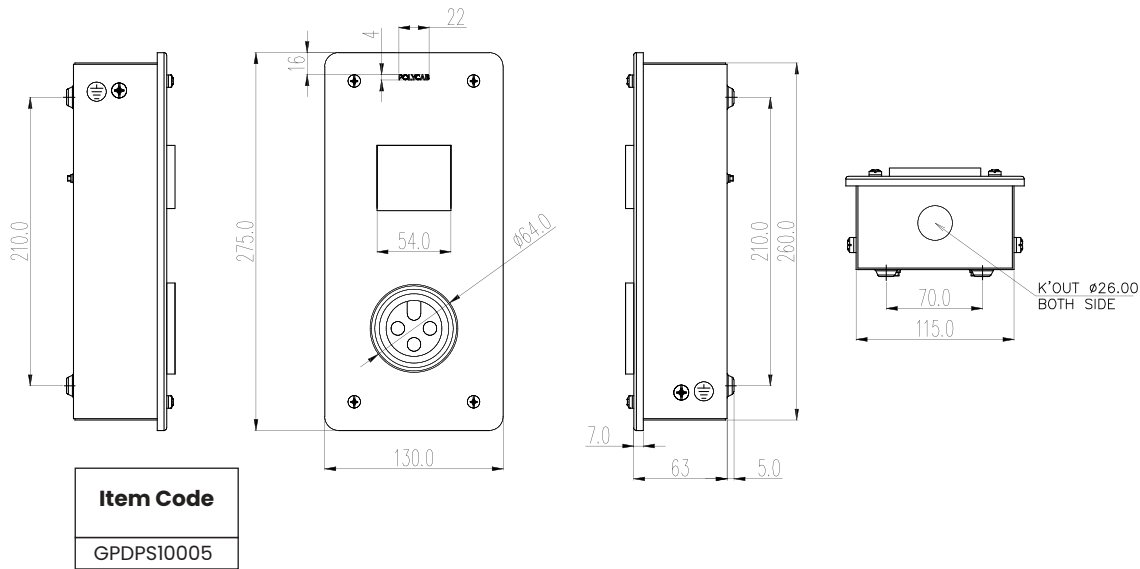
| Item Code | Current Rating | PACK (P/S/M) | MRP |
|------------|----------------|--------------|------|
| GPDPS10006 | 20A SP | 01/00/025 | 1093 |
| GPDPS10004 | 20A DP | 01/00/025 | 1531 |
| GPDPS10005 | 20A TP | 1 | 2038 |
| GPDPS20003 | 30A FP | 1 | 3370 |



| Item Code | DESCRIPTION | A | B | C | D | E | F | G | TOP/BOTTOM K' OUTS Ø26 |
|------------|-------------|-----|-----|-----|-----|----|-----|----|------------------------|
| GPDPS10006 | AC BOX SP | 169 | 140 | 105 | 153 | 77 | 124 | 18 | 2 NOS |
| GPDPS10004 | AC BOX DP | 169 | 140 | 105 | 153 | 77 | 124 | 36 | 2 NOS |



| Item Code | DESCRIPTION | A | B | C | D | E | F | G | TOP/BOTTOM K' OUTS Ø26 |
|------------|------------------|-----|-----|-----|-----|----|-----|----|------------------------|
| GPDPS20003 | AC BOX TPN/FP 30 | 290 | 130 | 234 | 279 | 73 | 114 | 72 | 1 NOS |



MCB Enclosure (Plastic)

(In accordance with IS 13032, IS 8623)

| Item Code | Description | PACK (P/S/M) | MRP |
|------------|--------------------------------|--------------|-----|
| GPDSNIP002 | 1/2 POLE MCB PLASTIC ENCLOSURE | 01/10/120 | 123 |
| GPDSNIP004 | 3/4 POLE MCB PLASTIC ENCLOSURE | 01/06/072 | 196 |

a) 1/2 pole
W : 50.43mm, L : 130mm, H : 66mm

b) 3/4 pole
W : 87mm, L : 131mm, H : 66.3mm

A CENTRALIZED HUB FOR ORGANIZED AND
SAFE POWER DISTRIBUTION

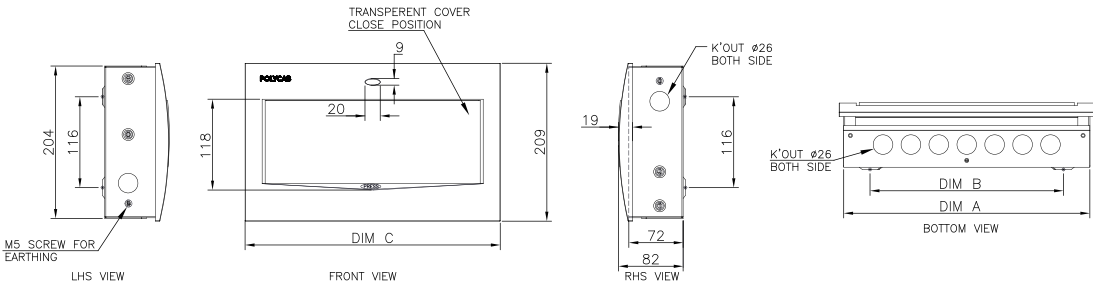
CLIQ DB



- Features:
- Polycarbonate transparent cover
 - Press to open lock
 - LED indication for incomer power source
 - CRCA base box
 - insulated shorting busbar
 - Earth and neutral bars of brass with nickel plating

Safety And Comfort, Now Just A Cliq Away

Polycab provides the most attractive design when it comes to Distribution Boards. Polycab Cliq Distribution Boards meet all the requirements of modern installation for domestic, commercial or industrial applications. Fabricated with utmost precision and passion The enclosures in Polycab Cliq Distribution Boards are forged from the finest quality steel which gives it a strong build and a flawless finish. The distribution boards are supplied with duly fitted Din Channel, Neutral Link, Earth Bar and Bus Bar along with detachable gland plates. So that the MCBs of desired number and rating can be fitted conveniently at site. Overall Polycab Cliq Distribution boards are a complete package that makes your wall looks classy and premium.



| ITEM CODE | WAY | SHEET THK | DIM. IN MM | | | | K'OUT HOLES ON EACH GLAND PLATE (Ø26 MM) | K'OUT HOLES ON EACH SIDE OF BASE (Ø26 MM) | NEUTRAL LINK (C/s 9X6) |
|------------|-----|-----------|------------|-----|-----|-----|--|---|------------------------|
| | | | A | B | C | D | | | |
| GPDSN50007 | 6 | 0.9 | 204 | 116 | 213 | 160 | 3 | 1 | 6 WAY - 1X |
| GPDSN50008 | 8 | 0.9 | 259 | 198 | 268 | 215 | 5 | 1 | 8 WAY - 1X |
| GPDSN50009 | 12 | 0.9 | 326 | 254 | 338 | 285 | 7 | 1 | 12 WAY - 1X |
| GPDSN50010 | 16 | 0.9 | 384 | 310 | 393 | 335 | 9 | 1 | 16 WAY - 1X |

SPN CLIQ Polycarbonate Transparent Cover DB



| Item Code | No. of Ways | PACK (P/s/M) | MRP |
|------------|-------------|--------------|------|
| GPDSN50007 | 06W | 01/00/006 | 1959 |
| GPDSN50008 | 08W | 01/00/006 | 2242 |
| GPDSN50009 | 12W | 01/00/006 | 2698 |
| GPDSN50010 | 16W | 01/00/006 | 3011 |

A CENTRALIZED HUB FOR ORGANIZED AND SAFE POWER DISTRIBUTION



DECOUR DB

Is a distribution box needed just for aesthetics?

Managing your circuits is a chaotic nightmare. But with our distribution boards, you get a centralized hub for organized and safe power distribution, protecting your switchgears while ensuring efficient power management and enhanced safety features.

So, why deal with the chaos? Choose our distribution boards for a smarter, safer electrical setup."

Decour DBs Features

- Surface door design
- Degree of Protection: IP43
- Coated with RAL 9003 white fine texture
- Ø32 and Ø26 knockout provisions for ease of wiring
- Anti-insertion embossed markings for flush mounting
- Keyholes for easy mounting



DECOUR DB FEATURES



Surface Door Design

The Decour DB is designed with a surface-mounted door that offers a clean and modern appearance, making it ideal for contemporary interiors. This design not only enhances the aesthetic appeal but also ensures seamless blend with wall surfaces while maintaining functionality.



Degree of Protection: IP43

With an IP43 rating, the Decour DB offers effective protection against solid objects larger than 1 mm and water spray at an angle of up to 60 degrees from the vertical. This makes it suitable for indoor environments where moderate protection is required. The enclosure ensures safety and reliability in both residential and light commercial applications.



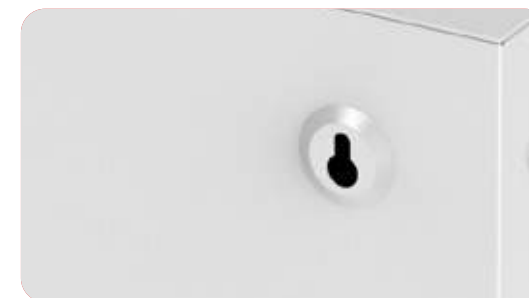
Coated with RAL 9003 White Fine Texture

The distribution box is coated with a fine-textured RAL 9003 white powder finish, giving it a sleek and uniform look. This coating not only enhances the visual appeal but also provides excellent resistance to corrosion and surface wear. It ensures long-lasting durability and complements modern electrical setups.



Ø32 and Ø26 Knockout Provisions for Ease of Wiring

Equipped with Ø32 and Ø26 knockout provisions, the Decour DB allows for quick and flexible cable entry. These pre-punched knockouts support various conduit sizes, making the wiring process more efficient. They help reduce installation time and improve on-site adaptability for electricians.



Keyholes for Easy Mounting

Integrated keyholes in the back of the enclosure allow for fast and secure wall mounting. This design simplifies the installation process, enabling quick alignment and attachment to various surfaces. It ensures a stable and reliable fixture, saving time and effort during setup.



Anti-Insertion Embossed Markings for Flush Mounting

The enclosure features anti-insertion embossed markings that guide precise flush mounting. These markings help prevent misalignment during installation, ensuring a secure and professional finish. This feature supports quick setup and enhances the structural integrity of the mounted unit.



SPN Decour Double Door Golden Passion Texture DB (IP 43)

| Item Code | No. of Ways | PACK (P/S/M) | MRP |
|------------|-------------|--------------|------|
| GPDSN29G11 | 04W | 01/00/006 | 2727 |
| GPDSN29G12 | 06W | 01/00/006 | 3157 |
| GPDSN29G13 | 08W | 01/00/006 | 3444 |
| GPDSN29G14 | 12W | 01/00/004 | 4215 |
| GPDSN29G15 | 16W | 01/00/004 | 5561 |

TPN Decour Double Door Golden Passion Texture DB (IP 43)

| Item Code | No. of Ways | PACK (P/S/M) | MRP |
|------------|-------------|--------------|-------|
| GPDTN29G41 | 04W 8+12 | 1 | 6773 |
| GPDTN29G42 | 06W 8+18 | 1 | 7558 |
| GPDTN29G43 | 08W 8+24 | 1 | 9527 |
| GPDTN29G44 | 12W 8+36 | 1 | 13936 |

SPN Decour Double Door Marble Texture DB (IP 43)

| Item Code | No. of Ways | PACK (P/S/M) | MRP |
|------------|-------------|--------------|------|
| GPDSN29M11 | 04W | 01/00/006 | 2727 |
| GPDSN29M12 | 06W | 01/00/006 | 3157 |
| GPDSN29M13 | 08W | 01/00/006 | 3444 |
| GPDSN29M14 | 12W | 01/00/004 | 4215 |
| GPDSN29M15 | 16W | 01/00/004 | 5561 |

TPN Decour Double Door Marble Texture DB (IP 43)

| Item Code | No. of Ways | PACK (P/S/M) | MRP |
|------------|-------------|--------------|-------|
| GPDTN29M41 | 04W 8+12 | 1 | 6773 |
| GPDTN29M42 | 06W 8+18 | 1 | 7558 |
| GPDTN29M43 | 08W 8+24 | 1 | 9527 |
| GPDTN29M44 | 12W 8+36 | 1 | 13936 |

SPN Decour Double Door Wooden Texture DB (IP 43)

| Item Code | No. of Ways | PACK (P/S/M) | MRP |
|------------|-------------|--------------|------|
| GPDSN29D11 | 04W | 01/00/006 | 2727 |
| GPDSN29D12 | 06W | 01/00/006 | 3157 |
| GPDSN29D13 | 08W | 01/00/006 | 3444 |
| GPDSN29D14 | 12W | 01/00/004 | 4215 |
| GPDSN29D15 | 16W | 01/00/004 | 5561 |

TPN Decour Double Door Wooden Texture DB (IP 43)

| Item Code | No. of Ways | PACK (P/S/M) | MRP |
|------------|-------------|--------------|-------|
| GPDTN29D41 | 04W 8+12 | 1 | 6773 |
| GPDTN29D42 | 06W 8+18 | 1 | 7558 |
| GPDTN29D43 | 08W 8+24 | 1 | 9527 |
| GPDTN29D44 | cc | 1 | 13936 |



SPN Decour Double Door DB

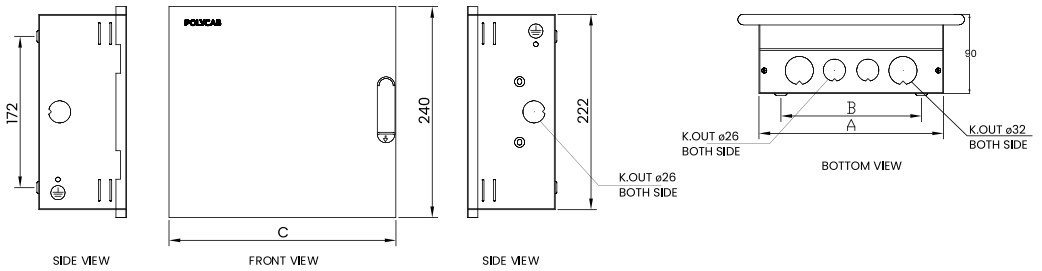
(Sheet metal) (RAL- 9003 grey white, IP 43)

| Item Code | No. of Ways | PACK (P/S/M) | MRP |
|------------|-------------|--------------|------|
| GPDSN29W11 | 04W | 01/00/006 | 2097 |
| GPDSN29W12 | 06W | 01/00/006 | 2429 |
| GPDSN29W13 | 08W | 01/00/006 | 2649 |
| GPDSN29W14 | 12W | 01/00/004 | 3243 |
| GPDSN29W15 | 16W | 01/00/004 | 4278 |

TPN Decour Double Door DB

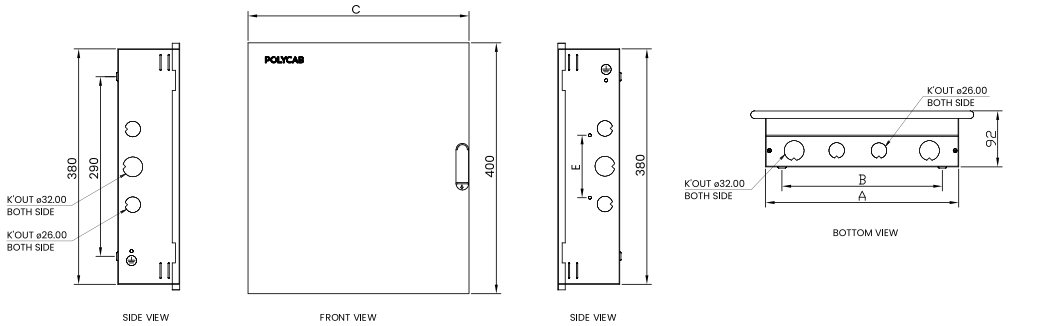
(Sheet metal) (RAL- 9003 grey white, IP 43)

| Item Code | No. of Ways | PACK (P/S/M) | MRP |
|------------|-------------|--------------|-------|
| GPDTN29W41 | 04W 8+12 | 1 | 5210 |
| GPDTN29W42 | 06W 8+18 | 1 | 6298 |
| GPDTN29W43 | 08W 8+24 | 1 | 7939 |
| GPDTN29W44 | 12W 8+36 | 1 | 12118 |



SPN Decour Double Door DB (IPN 43)

| No. of Ways | A | B | C | NEUTRAL LINK | EARTHING LINK | BUSBAR |
|-------------|-----|-----|-----|--------------|---------------|--------|
| 04W | 175 | 125 | 223 | 5 CON. | 4 CON. | 4 |
| 06W | 210 | 160 | 258 | 9 CON. | 6 CON. | 6 |
| 08W | 247 | 197 | 296 | 9 CON. | 8 CON. | 8 |
| 12W | 317 | 267 | 365 | 13 CON. | 12 CON. | 12 |
| 16W | 391 | 341 | 439 | 17 CON. | 16 CON. | 16 |



TPN Decour Double Door DB (IP 43)

| No. of Ways | A | B | C | E | NEUTRAL LINK | EARTHING LINK | BUSBAR |
|-------------|-----|-----|-----|---------|--------------|---------------|----------|
| 04W 8+12 | 315 | 245 | 360 | 101 | 13 CON. | 12 CON. | 4W - 3X |
| 06W 8+18 | 350 | 280 | 393 | 149 | 19 CON. | 18 CON. | 6W - 3X |
| 08W 8+24 | 400 | 340 | 442 | 101 (2) | 13 CON. (2) | 12 CON. (2) | 8W - 3X |
| 12W 8+36 | 560 | 490 | 602 | 149 (2) | 19 CON.(2) | 18 CON. (2) | 12W - 3X |

A CENTRALIZED HUB FOR ORGANIZED AND
SAFE POWER DISTRIBUTION

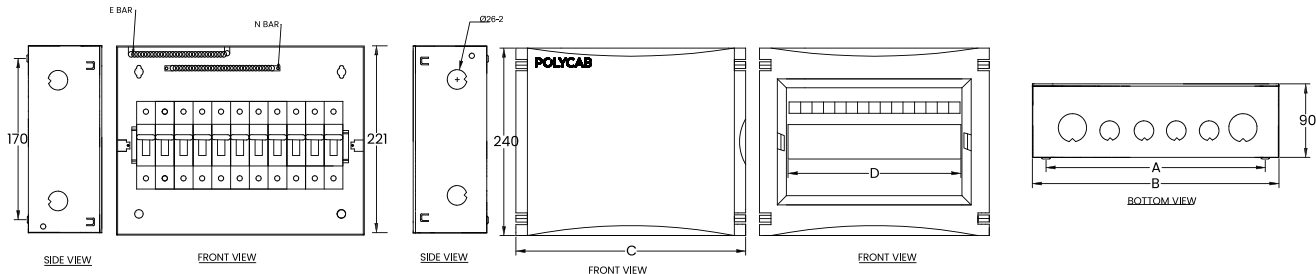
DECOUR
T BOX



- Features:
- IP 42 protection
 - Fresh look
 - Easy to install
 - CRCA base box
 - Insulated shorting busbar

Design To Match Your Decour

Polycab Decour T Box is a new age distribution board driven with innovation and technology. Its unique design ensures a smooth supply of power flow and distribution in homes, Offices and industries. Polycab Decour T Box distribution board comes with a transparent cover and elegant look. It also has a raised neutral bar that ensures flexibility and safety enabling safe and efficient distribution of electricity. These boards come with Top & Bottom Detachable Gland Plate with Specially designed plastic knockout which is easy to install and perfectly fits and matches interiors of your home and office spaces.



| CODE | WAY | A | B | C | D | NEUTRAL LINK | EARTHING LINK | BUSBAR | TOP/BOTTOM K'OUT | EACH SIDE K'OUT |
|------------|-----|-----|-----|-----|-----|--------------|---------------|--------|------------------|-----------------|
| GPDSN29T13 | 08 | 190 | 240 | 267 | 180 | 13 CON. | 12 CON. | 9 | Ø32-4 Ø26-4 | Ø26-2 |
| GPDSN29T16 | 11 | 230 | 282 | 310 | 234 | 13 CON. | 12 CON. | 11 | Ø32-4 Ø26-6 | Ø26-2 |
| GPDSN29T17 | 14 | 283 | 337 | 365 | 288 | 17 CON. | 16 CON. | 14 | Ø32-4 Ø26-8 | Ø26-2 |
| GPDSN29T18 | 19 | 370 | 427 | 450 | 278 | 19 CON. | 18 CON. | 19 | Ø32-4 Ø26-12 | Ø26-2 |

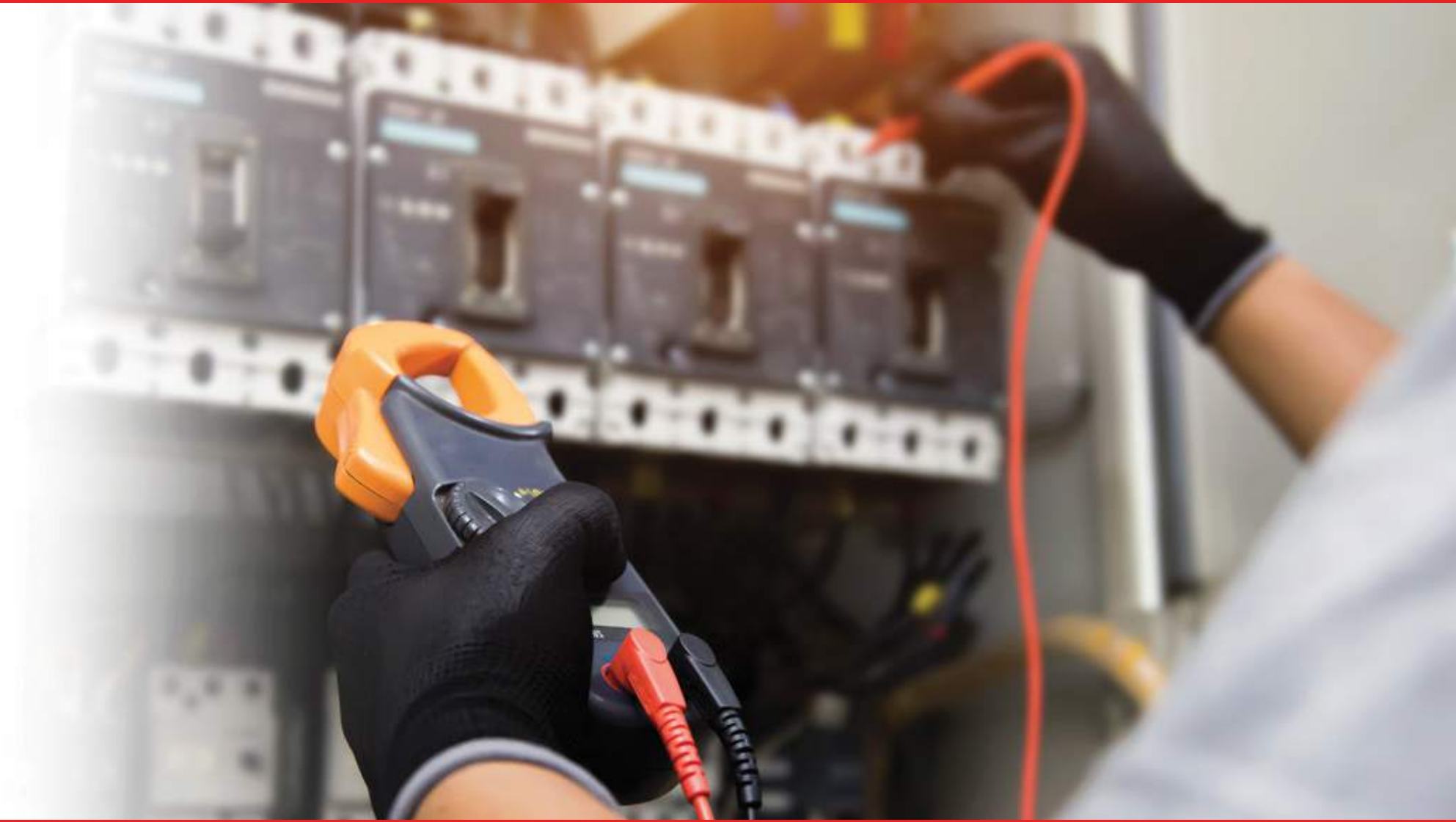
SPN Decour T Box Transparent Double Door DB



| Item Code | No. of Ways | PACK (P/S/M) | MRP |
|------------|-------------|--------------|------|
| GPDSN29T13 | 08W | 01/00/006 | 2935 |
| GPDSN29T16 | 11W | 01/00/006 | 3622 |
| GPDSN29T17 | 14W | 01/00/006 | 4509 |
| GPDSN29T18 | 19W | 01/00/006 | 5248 |

MCCB

Moulded Case Circuit Breaker



Why MCCB

The MCCBs has a proven performance record in most stringent operating environments for more than 25 years. It has been a preferred product in industries like steel, power, paper, chemical electricity boards, distribution panels and textile plants. Our MCCBs are best suitable for tropical Indian conditions. Its wide terminals are suitable for both copper and aluminum conductors. The MCCBs are available in various current rating in 63A, 100A, and 125A in 3P and 4P versions.

Why Polycab MCCB – Salient Features

- Quick-Make, Quick-Break & Trip Free mechanism
- Push to trip facility to check mechanism operation
- ON-OFF & Trip indication

- Contacts Separate before reaching peak current during short circuit, resulting in very low let-through energy.
- Housing & cover made of DMC /SMC Thermo set plastic that has superior heat resistance, mechanical strength, and is flame retardant.
- Mechanised tripping through Thermal- Magnetic
- High insulation voltage of 690V & 1000V
- Suitable for wide range of ambient temperature of up to 55°C
- Silver alloy contact tips that enhance the contacts life
- Compact design & elegant appearance
- Easy mounting accessories and field fittable
- Suitable for Isolation
- The Arc chamber extinguishes the hot gases, is quickly cooled and expelled

The MCCB is used to Protect

Transformers: LT side of distribution transformer for effective protection

DG sets: LT panel boards, motor control centers and distribution boards

Capacitor: Used to protect capacitor

UPS: Electronic circuits

Motors: Back up protection

Furnaces: Equipment and heating elements

DC load: Protects rectifier panels

MCCB CONSTRUCTION



Current Limiting

MCCB operates on current limiting principle. This ensures high breaking capacity, faster fault clearances and low let through energy resulting in reduced electrodynamic forces and thermal stresses which prevents damage to downstream equipment. When a prospective fault current flows through the MCCB, the contacts open through reversal of current which ensures immediate separation of the contacts even before tripping occurs. The early separation of the contacts ensures low let through energy in the system, thus ensuring higher life of the silver- alloy contacts.

High Insulation Voltage (Ui)

The MCCBs have a high insulation voltage of 690V. This enhances the reliability of the breakers by providing a higher resistance to flashovers under fault conditions.

Arc Chamber

The MCCB arc chamber is specially designed with an arc channel as a flow guide to improve the capability of extinguishing the arc and reducing the arc distance.

Thermal - Magnetic tripping

- (i) In case of Thermal Overload, Time-Delay Operation occurs when an over current heats and deflect the bimetal to actuate the trip bar.
- (ii) In case of Magnetic Tripping, when high current passes through the magnetic core, then the fixed ferrous core is magnetized and enables it to attract the armature to Trip the MCCB.

Housing & Cover

Housing and Cover are made of DMC/SMC Thermoset plastic that has superior heat resistant, mechanical strength, and is flame retardant.

Mechanism

The MCCBs are Quick-Make, Quick-Break, and Independent manual type with Trip free features. The door drive mechanism indicates uniform ON/OFF/TRIP indications on the panel door.

Testing

A "Push to trip" button is provided on the front to mechanically test the MCCBs at any point of time.

MCCB ACCESSORIES



Shunt Release

Item Code :
110 V AC : A7XXXAX000052
240 V AC : A7XXXAX000059
415 V AC : A7XXXAX000060



Alarm Switch Changeover

Item Code :
250 V AC : A7XXXAX000053



Auxiliary Switch Changeover

Item Code :
250 V AC : A7XXXAX000054



Direct Rotary Handle (Padlock Device)

Item Code : A7XXXAX000055



Extended Rotary Handle (Padlock Device)

Item Code : A7XXXAX000056



Phase Barriers



Extended Terminals / Spreader Links

Item Code :
LH/RH : C7XCUPE040057
Center : C7XCUPE040058

MCCB metal enclosure, MCCB incomer VTPN DB
and UVT release are also available on request.

Specifications

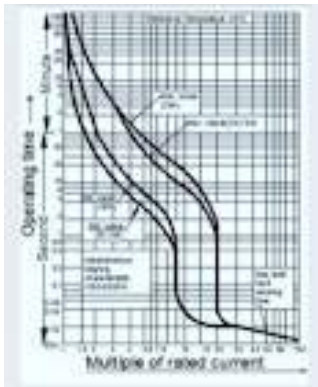
| MCCB Model Type | (Frame 1) | |
|---|--------------------|-----|
| Rated current – Ir – (A) | 63, 100, 125 | |
| Number of poles | 3 | 4 |
| Rated operational voltage – Ue (ac) 50 Hz – V | 415 | |
| Rated insulation voltage – Ui (ac) 50 Hz, – V | 690 | |
| Rated impulse voltage – Uimp (ac) 50 Hz, – KV | 8 | |
| Overload Current Release Fixed range – Ir | Fixed | |
| S/c Magnetic Release | Fixed | |
| Suitability for Isolation | Yes | |
| Tripping Mechanism | Thermal – Magnetic | |
| Utilisation category in accordance with IEC 60947-2 | A | |
| Compliance to Standards | IS/IEC 60947 – 2 | |
| Terminal Cable Capacity – Cu | 35 mm2 | |
| Ultimate Breaking Capacity (KA) Icu: o-t-co at 240 V, AC, 50Hz | 10 | |
| Service Breaking Capacity (KA) Ics: o-t-co-t-co at 240V, AC, 50Hz | 10 | |
| Service Breaking Capacity (KA) Ics: o-t-co-t-co at 415V, AC, 50Hz | 10 | |
| DC, 250V | 7.5 | |
| Mechanical operating performance | >7000 | |
| Electrical operating performance (with current) | >2000 | |
| Dimensions In mm | 78 | 103 |
| | 132 | |
| | 61 | |
| | 89 | |
| Weight-(kg) | 0.75 | 1 |

| Item Code | Current Rating | Poles | PACK (P/S/M) | MRP |
|------------|----------------|-------|--------------|------|
| GIMR0063E3 | 63A | TP | 01/00/006 | 2765 |
| GIMR0100E3 | 100A | TP | 01/00/006 | 2950 |
| GIMR0125E3 | 125A | TP | 01/00/006 | 4080 |
| GIMR0063E4 | 63A | FP | 01/00/006 | 3650 |
| GIMR0100E4 | 100A | FP | 01/00/006 | 4325 |
| GIMR0125E4 | 125A | FP | 01/00/006 | 4810 |

Phase barriers (both sides) and spreader links (one side) are part of standard product packaging.

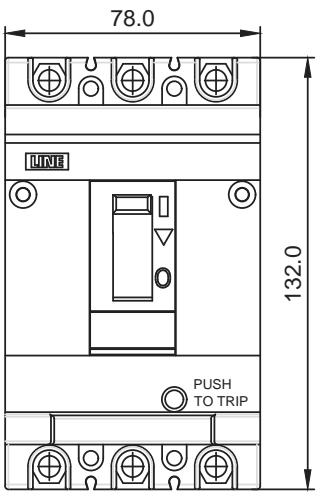
I-T Characteristics Curve

TME - (63A, 100A, 125A)

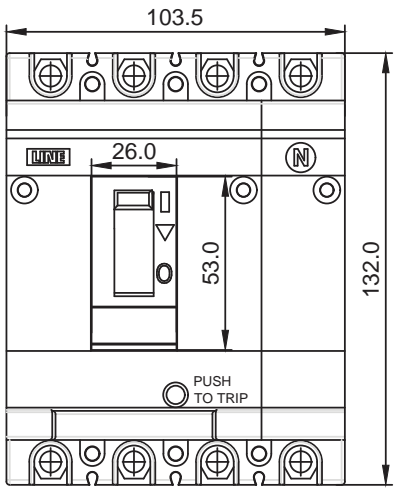


Dimensions (mm)

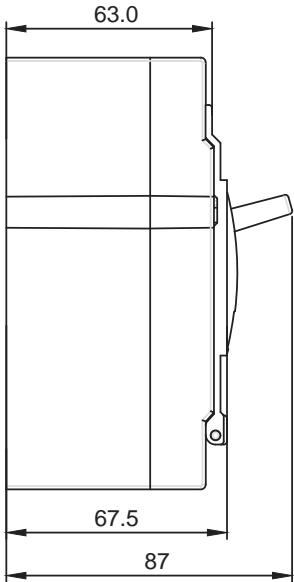
TME - 3P & 4P(63A, 100A, 125A)




DIMENSIONAL DETAILS - 3P



DIMENSIONAL DETAILS - 4P



BE
ELECTRICALLY
SMART.
**CHOOSE
POLYCAB
SWITCHGEAR.**



BEYOND SWITCHGEARS

EXPLORE THE POLYCAB UNIVERSE

POLYCAB

LIGHTING

Innovative Lighting for Brighter Living

Polycab Lighting is redefining modern illumination with innovative solutions that bring brighter living to every space. Our extensive range combines state-of-the-art LED technology with sleek contemporary design, offering exceptional brightness and energy efficiency. From creating warm, inviting ambiances at home to delivering precision lighting in offices and industrial spaces, our products are designed for both aesthetics and functionality. From ambient fixtures that create a warm, inviting atmosphere in homes to powerful, precision lighting systems that enhance productivity in offices and industrial spaces, our solutions are engineered to meet the evolving demands of modern living.

Quality and durability lie at the heart of our mission. We continually integrate the latest technological advancements and design trends into our products, allowing us to offer not only cutting-edge performance but also environmentally responsible solutions. This commitment to quality and innovation ensures that every ray of light from Polycab Lighting is a step towards a smarter, more sustainable future. Choose Polycab Lighting to illuminate your surroundings with elegance, efficiency, and a promise of enduring brilliance—because every space deserves to shine brighter.



POLYCAB

SWITCHES



Switch on the Wow

Polycab redefines modern living with its innovative switch solutions, combining style, safety, and seamless functionality. With an extensive collection under three distinct ranges—Etira, Fabelle, and Levana—Polycab offers switches designed to elevate every space. Whether it's the minimalist elegance or the luxurious appeal, the range embodies superior craftsmanship, durability, and aesthetic finesse. Built with cutting-edge technology and premium materials, Polycab switches ensure reliability, long life, and a refined touch to any interior. Designed for modern homes and commercial spaces, they blend sophistication with performance, making every interaction effortless and enhancing everyday living.

Features:

Assured Safety, 1 Lac+ Clicks, Aesthetically Designed, Soft Click Switches, Precision Engineering, Vertical & Horizontal Orientation.

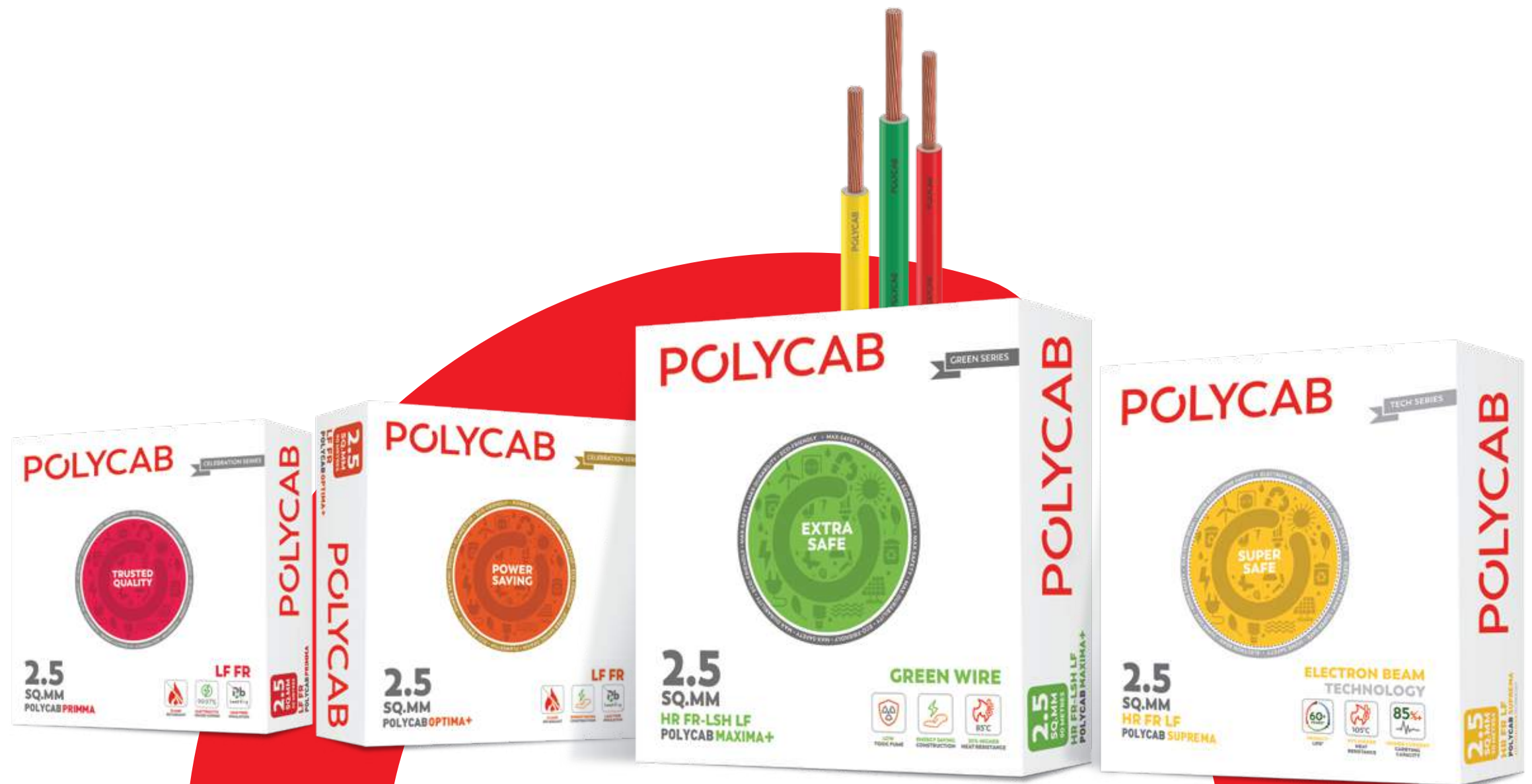
POLYCAB

WIRES

Your Connection to a Safer Future

Polycab Wires are designed for exceptional durability and safety, setting the standard for electrical wiring. With a commitment to innovation and quality, Polycab ensures long-lasting performance, making it the preferred choice across residential, commercial, and industrial sectors. The brand offers products under names like **PolycabMaxima+ Green Wires**, **PolycabSuprema with E-Beam Technology**, **PolycabOptima+**, **PolycabPrimma**, and **Etira by Polycab**, each guaranteeing superior safety, eco-friendliness, and durability compared to standard wires.

- **Superior Quality Materials:** Polycab uses 99.97% pure copper conductors for optimal conductivity and minimal power loss, along with high-quality PVC insulation that resists heat, chemicals, and abrasion.
- **Enhanced Safety Features:** Polycab wires are designed to prevent fire spread, emitting minimal smoke and toxic gases, thus safeguarding lives and property.
- **Long-Lasting Performance:** Built to withstand harsh conditions, Polycab wires require less frequent replacement and maintenance.
- **Global Compliance:** Meeting International standards like RoHS, REACG and amp; BIS standards, Polycab wires offer reliable, worldwide safety and quality.
- **Eco-Friendly Manufacturing:** Polycab is committed to sustainability, using eco-friendly processes and materials in wire production.



POLYCAB

FANS

Super ROI Fans

Polycab offers a diverse range of high-performance fans, including ceiling, table, pedestal, wall, exhaust, and farrata fans, all manufactured in state-of-the-art facilities in Roorkee and Halol. Designed to exceed global standards, Polycab fans ensure superior quality, durability, and performance.

Our fully automated copper winding process guarantees precision, using 99.999% pure copper in every heavy-duty winding. High-quality aluminium construction for fan blades, top, and bottom covers, combined with CNC-machined precision and optimal blade angles, ensures higher air velocity and even airflow distribution. Our specialized in-house BLDC fan manufacturing facility in Roorkee delivers unmatched efficiency.

Each fan undergoes rigorous testing in our automated air delivery testing lab, ensuring superior airflow ranging from 225 CMM to 280 CMM. Our state-of-the-art robotic paint shop, imported from ITW GEMA, Switzerland, offers uniform, high-grade coatings in a variety of colors with a laminated protective finish. With strong backward integration, we maintain complete control over electronics manufacturing, minimizing dependency on external vendors for PCB circuitries. Polycab fans is a blend of innovation, precision, and performance, setting new benchmarks in air delivery and energy efficiency.

