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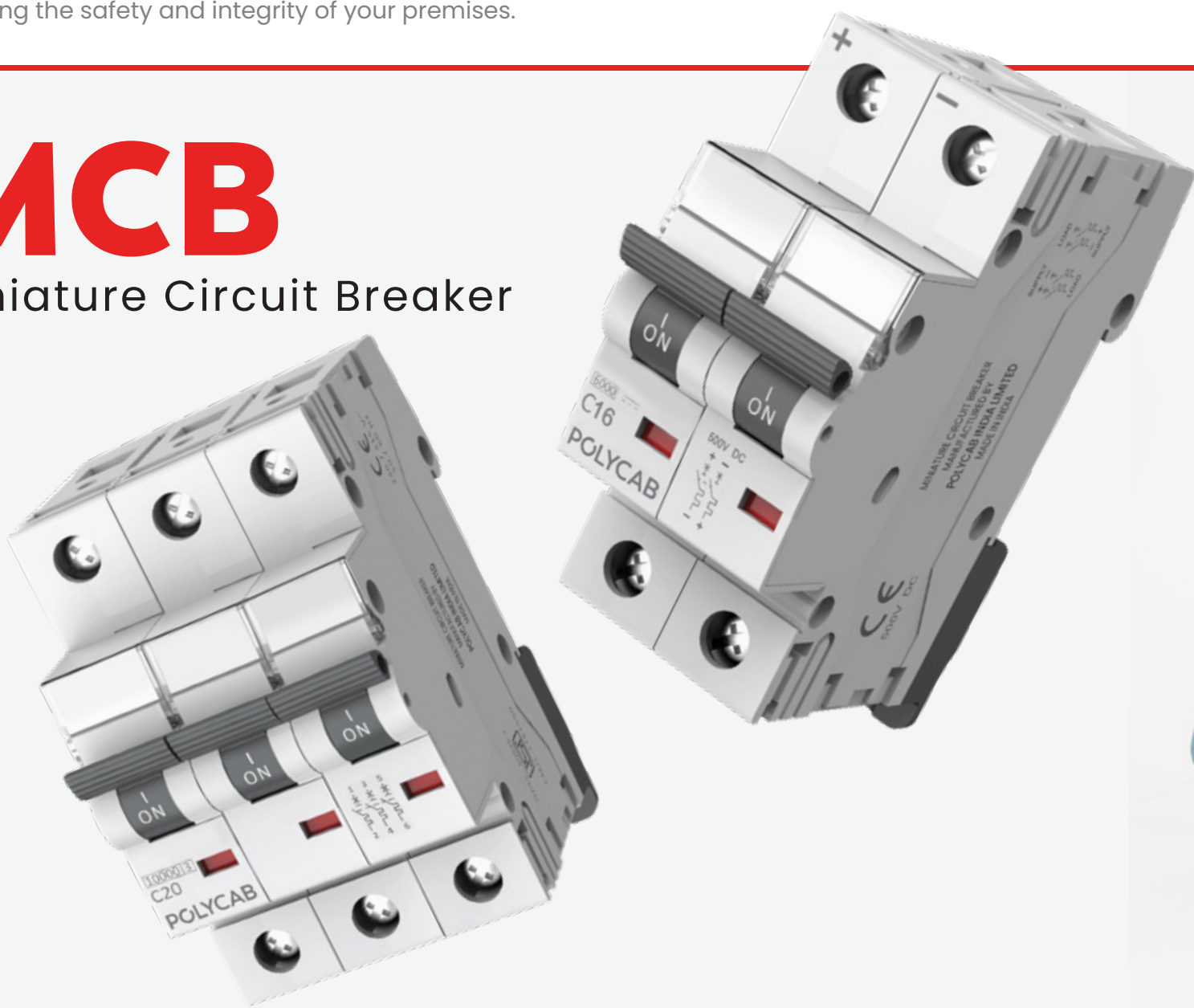
# Have you ever considered the necessity of integrating an MCB within your electrical infrastructure?

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?

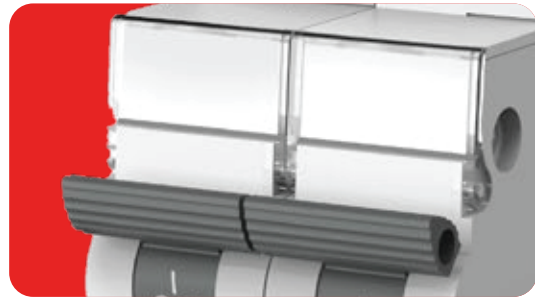
The answer lies in our unwavering commitment to engineering excellence and reliability. Equipped with advanced trip mechanism, our MCBs boast unparalleled responsiveness, promptly identifying and mitigating overload and short circuit. Moreover, our product line encompasses a diverse array of configurations 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.



## 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.



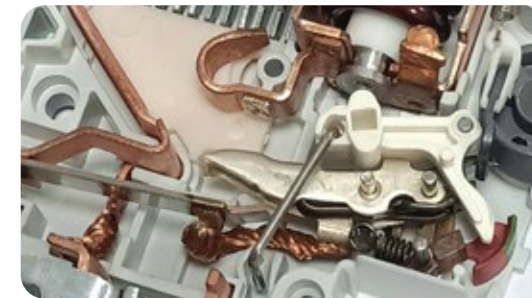
## Ease of Tightening

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.



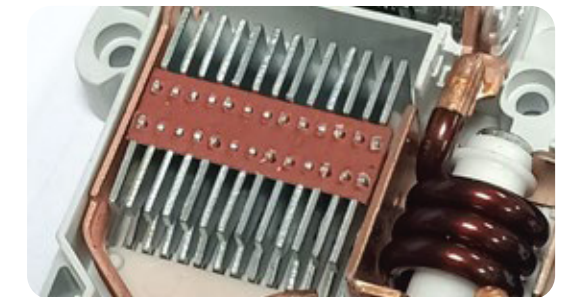
## Bi-stable Din Clip Position

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.



## 13 Plates Arc Chamber

Quick & Efficient Arc Quenching.



## 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.

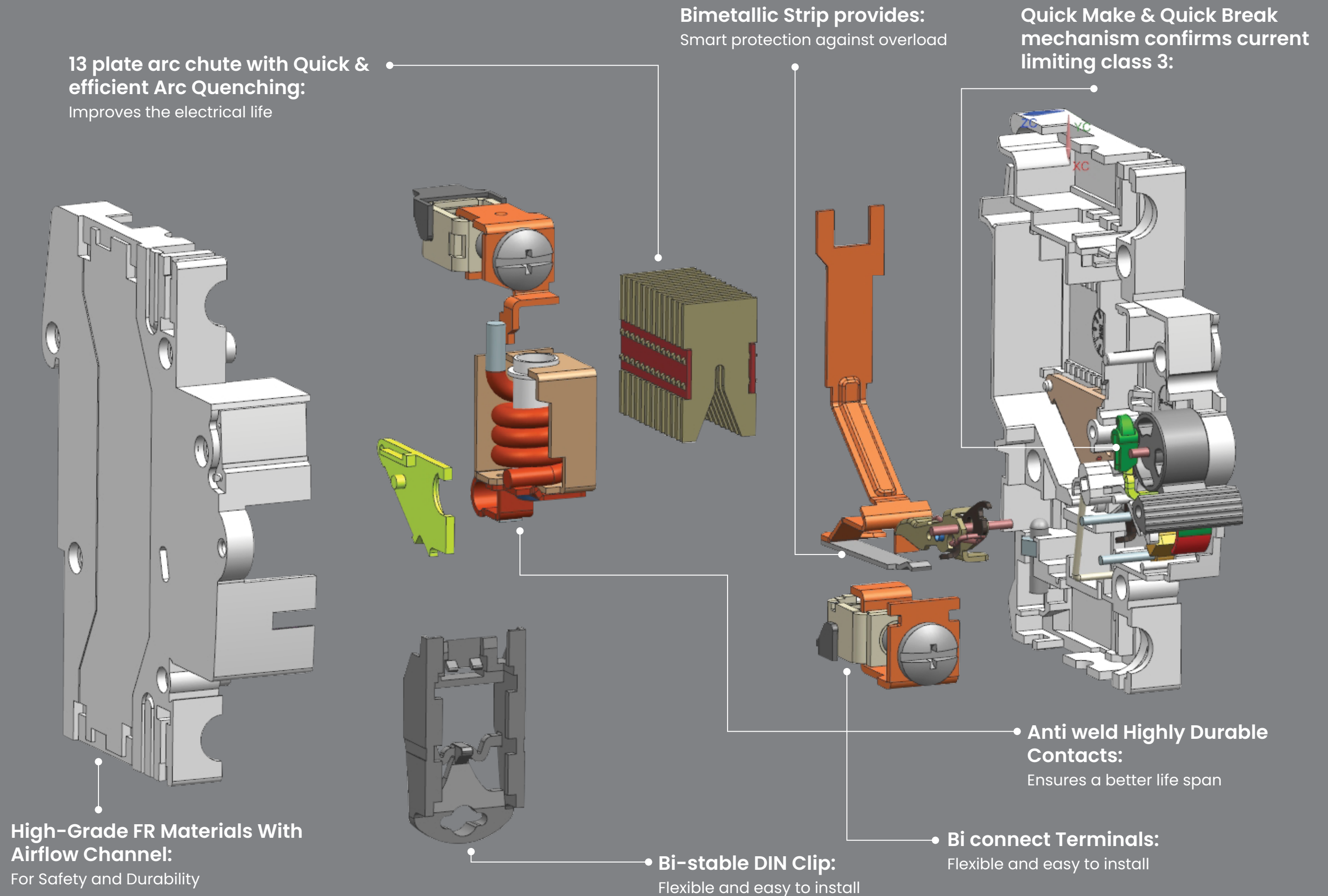


## Energy Saver

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)

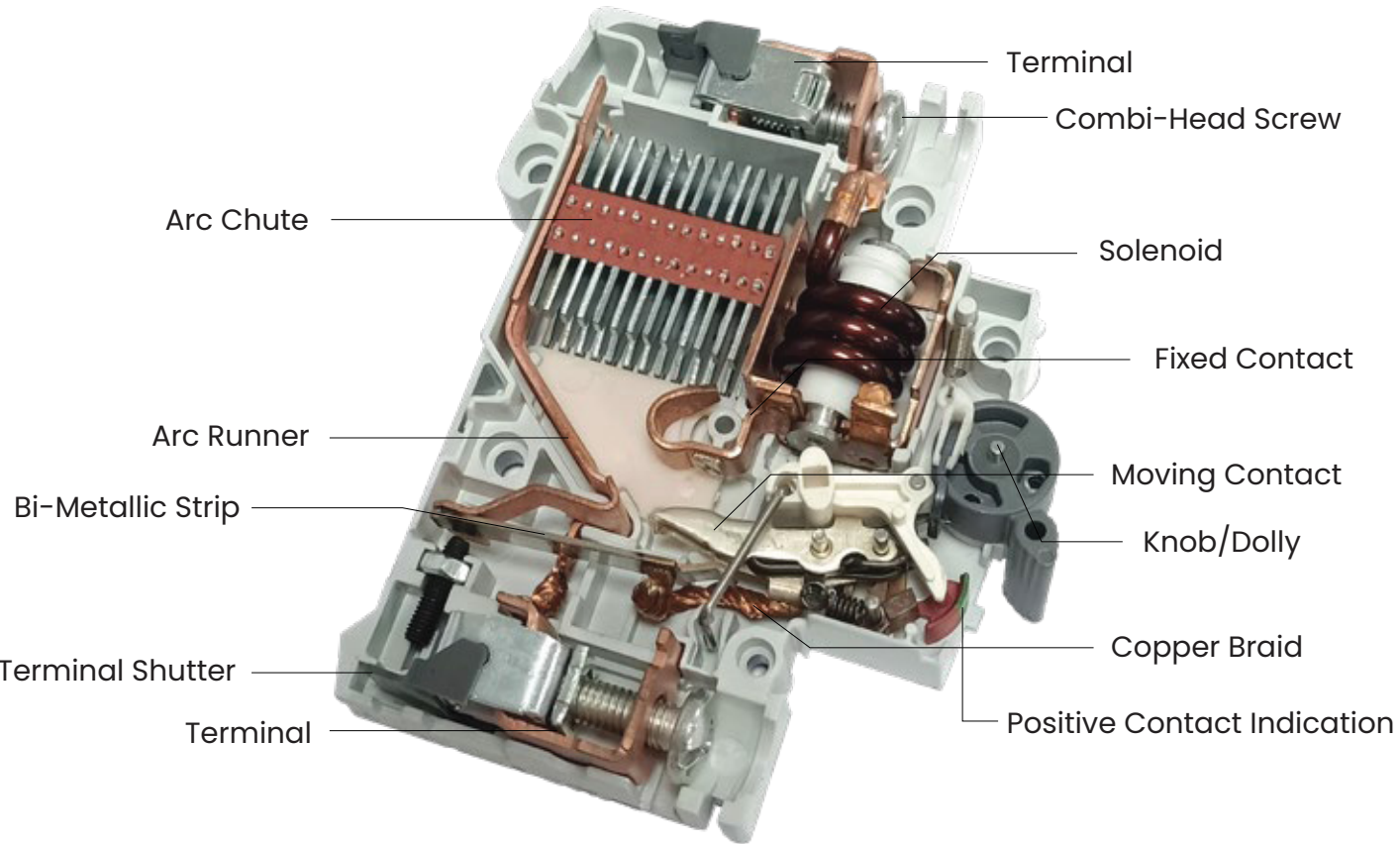
Miniature Circuit Breakers are electromechanical devices which protect an electrical circuit from an overcurrent. The overcurrent, in an electrical circuit, may result from short circuit, overload or faulty design. A MCB is a better alternative to a fuse since it does not require replacement, once an 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.

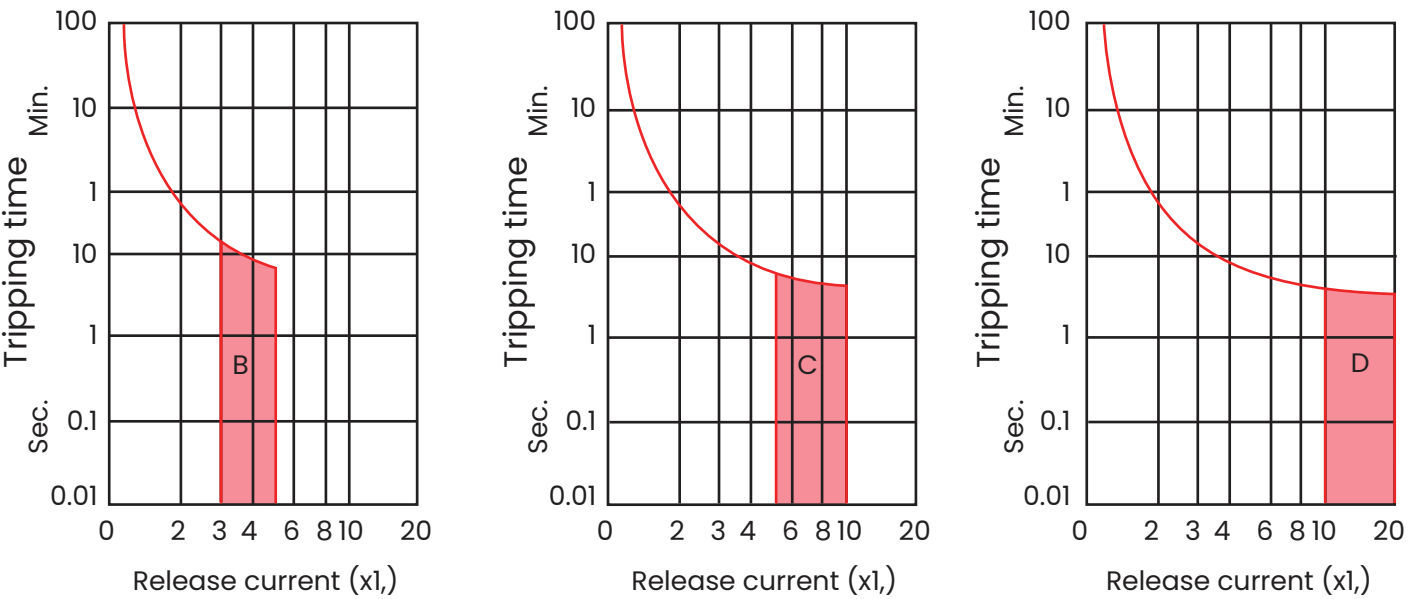
## Components of MCB



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 <sub>n</sub>		≥1h	3xI <sub>n</sub>		≥0.1s
		1.45xI <sub>n</sub>	<1h		5xI <sub>n</sub>	<0.1s
C Curve	1.13xI <sub>n</sub>		≥1h	5xI <sub>n</sub>		≥0.1s
		1.45xI <sub>n</sub>	<1h		10xI <sub>n</sub>	<0.1s
D Curve	1.13xI <sub>n</sub>		≥1h	10xI <sub>n</sub>		≥0.1s
		1.45xI <sub>n</sub>	<1h		20xI <sub>n</sub>	<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).

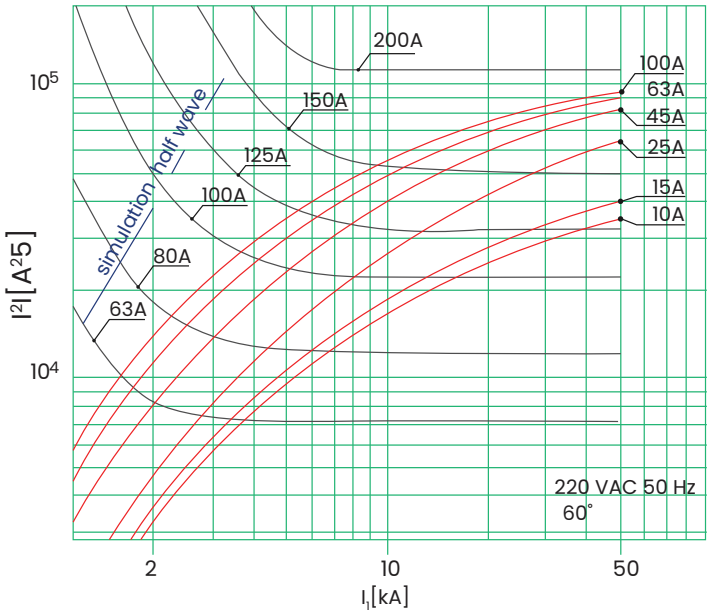
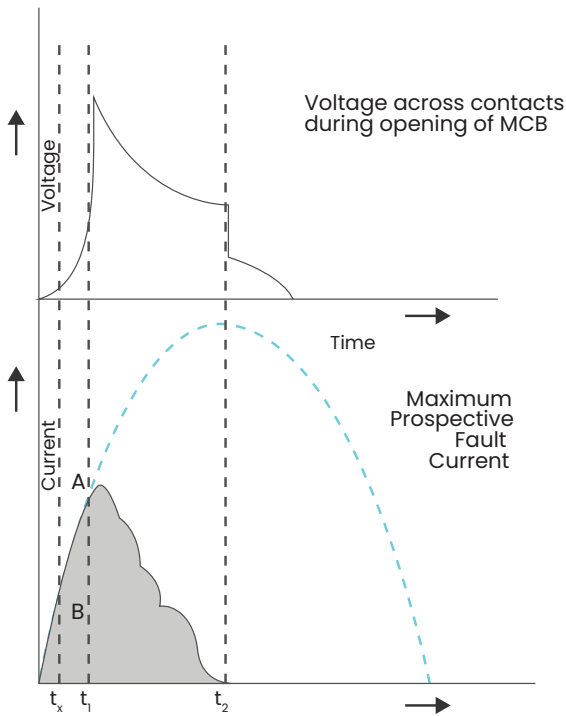
## Current Limiting Design



10kA MCB



6kA MCB



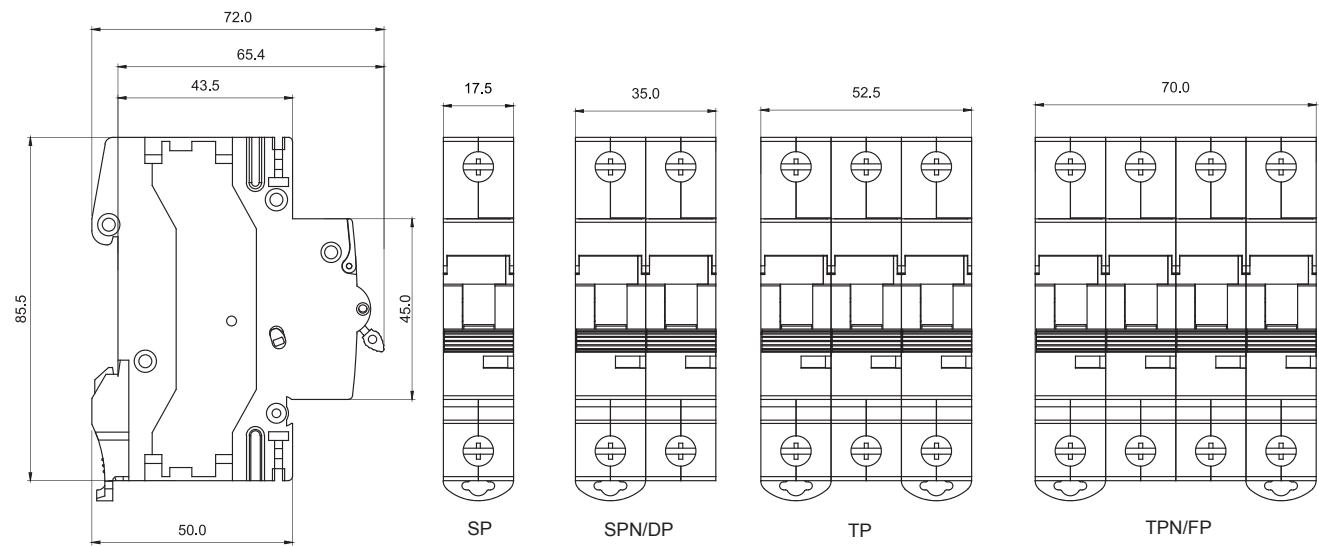


10kA MCB Technical Specification



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)

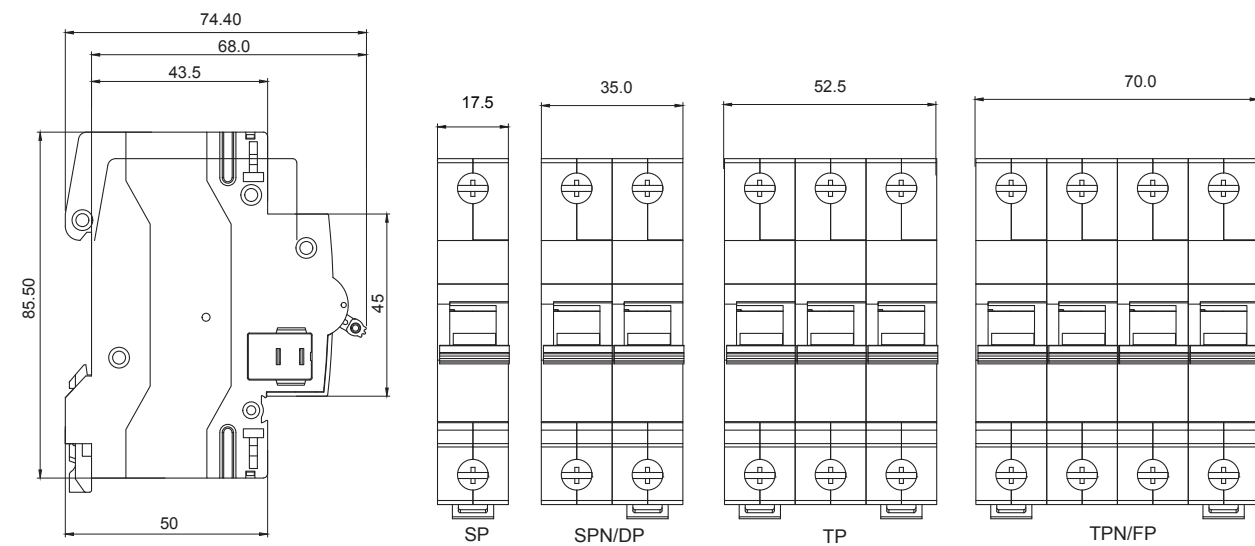
10kA MCB Dimensions



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

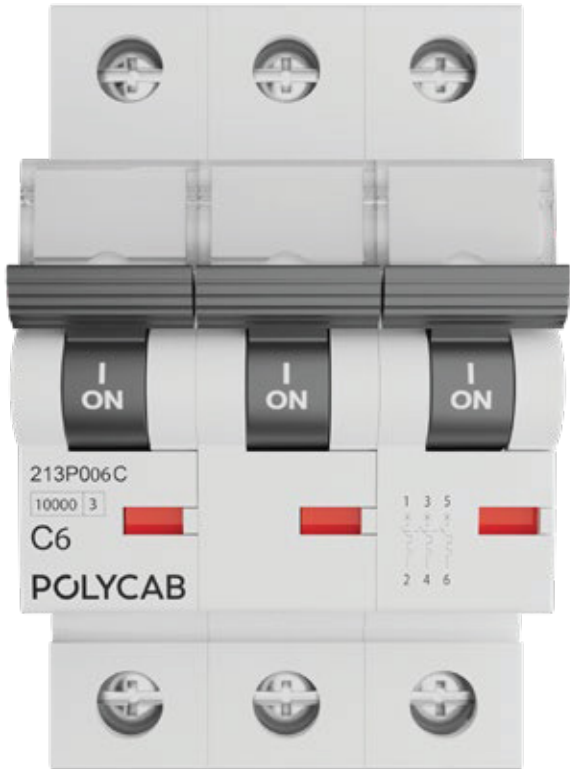




# Temperature De-rating Table

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

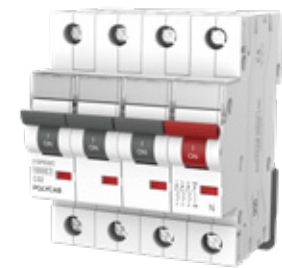
### C Curve Double Pole 10kA MCB

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

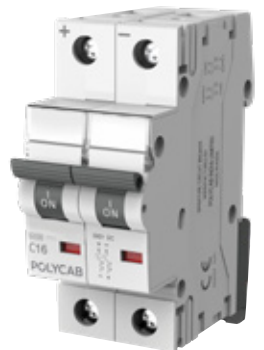
Item Code	Current Rating	PACK (P/S/M)	MRP
GMM304P001-06	6A, 10A, 16A, 20A, 25A, 32A	1/03/027	2058
GMM304P007	40A	1/03/027	2905
GMM304P008	63A	1/03/027	2964



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 <sup>2</sup>	35sqmm.

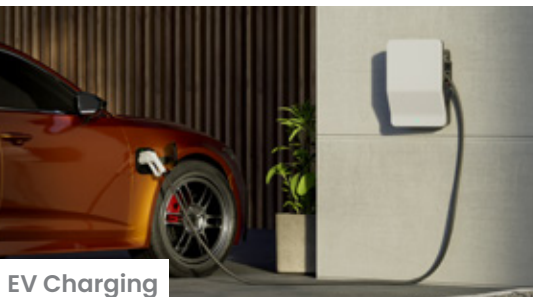
## Typical Applications



Railways



Solar Power



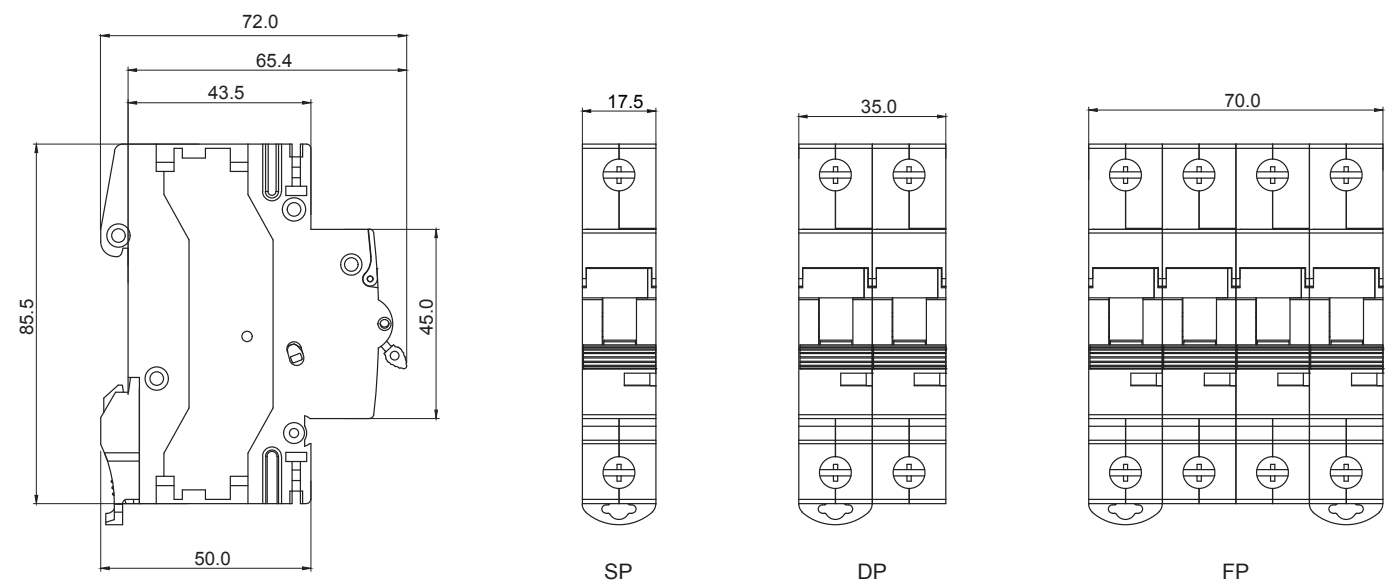
EV Charging



Building



Dimensions (mm)



Range

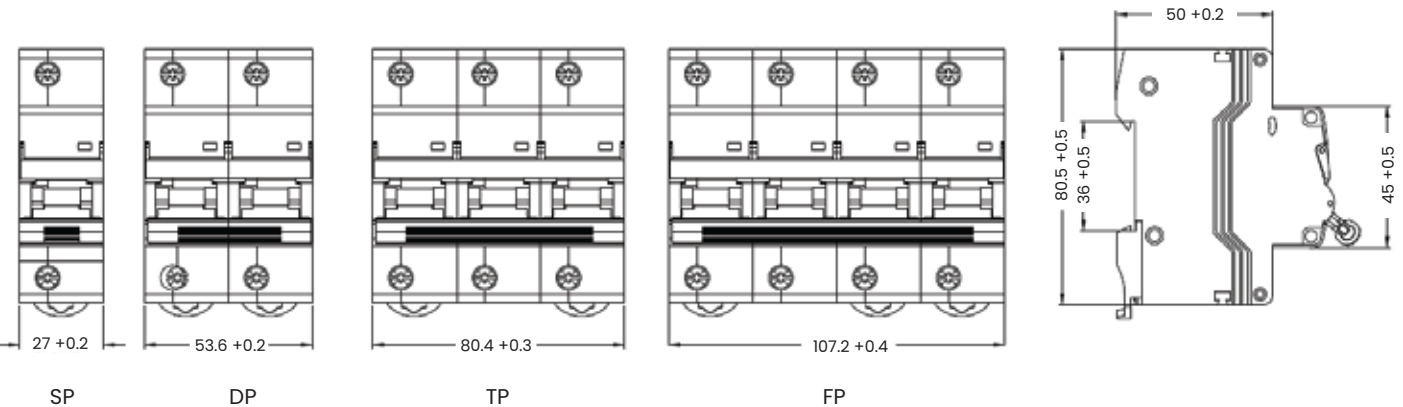
Current Rating	Item Code	MRP	Item Code	MRP	Item Code	MRP
	C Curve, SP		C Curve, DP		C Curve, FP	
0.5A	GMM401P012	669	GMM402P012	1327	GMM404P012	2665
1A	GMM401P013	669	GMM402P013	1327	GMM404P013	2665
2A	GMM401P014	669	GMM402P014	1327	GMM404P014	2665
3A	GMM401P015	669	GMM402P015	1327	GMM404P015	2665
4A	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



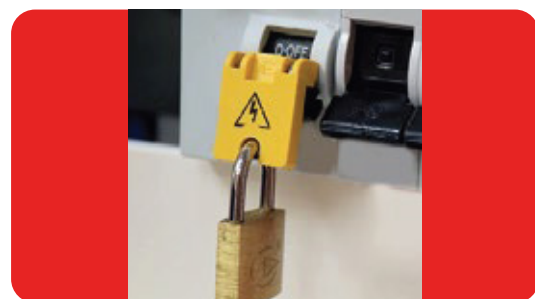
## Combi-head Screw

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.



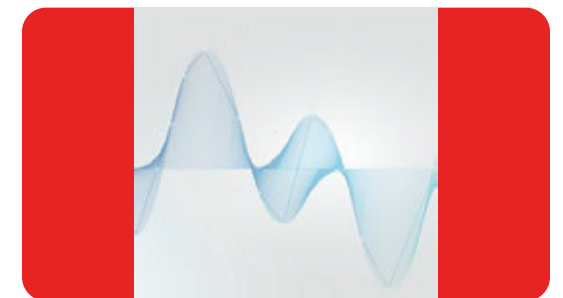
## Label Holder

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.

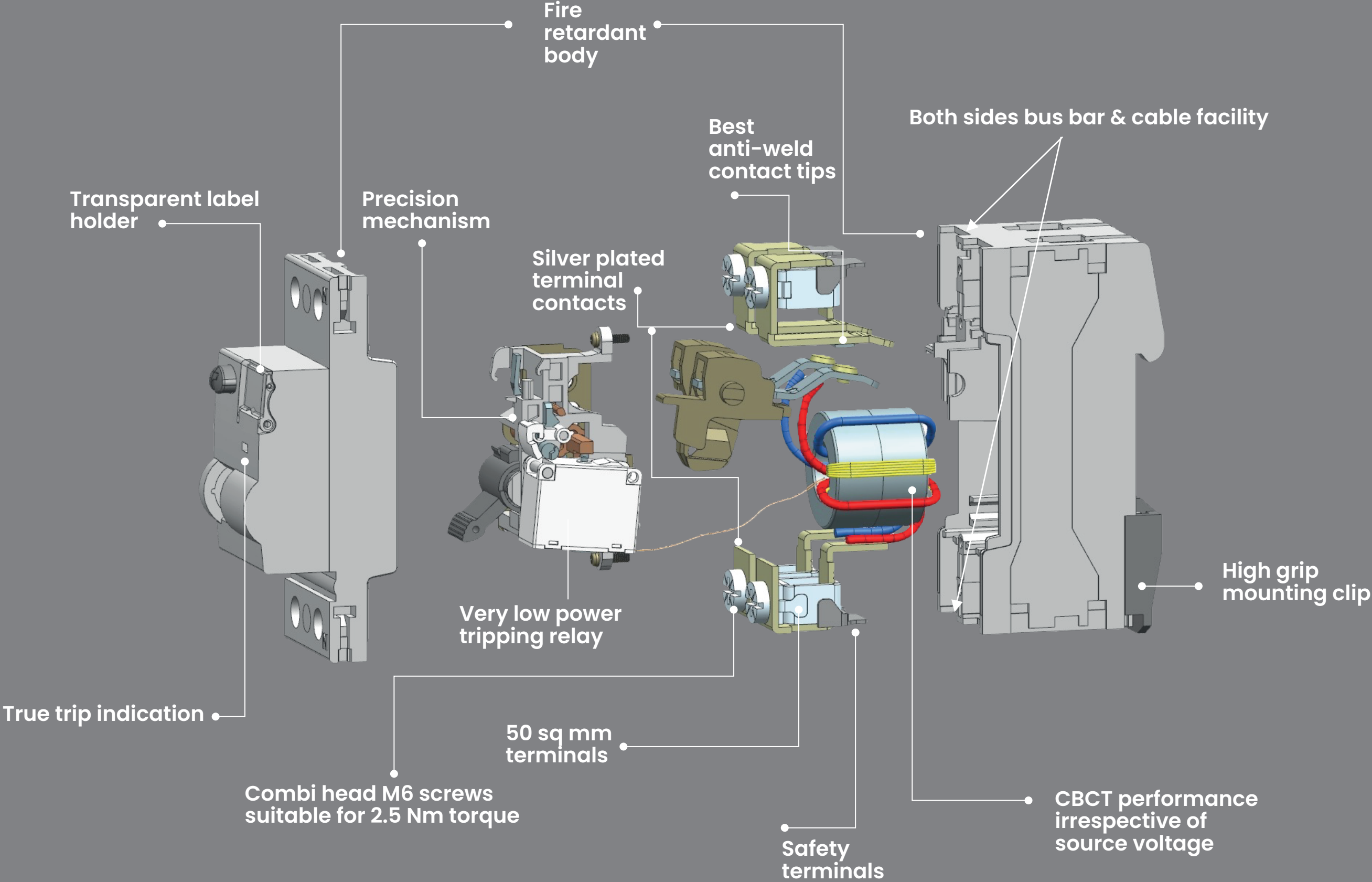


## Cooler Operation

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

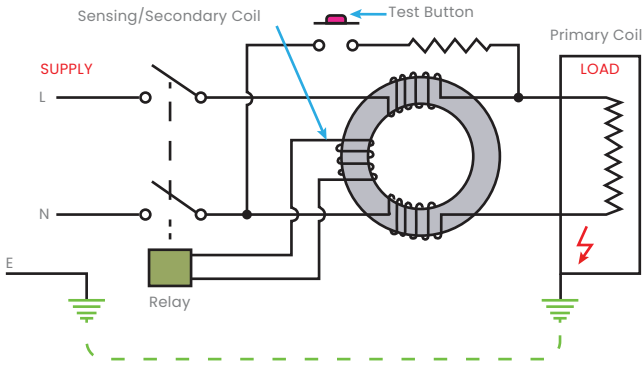


RCCB

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.

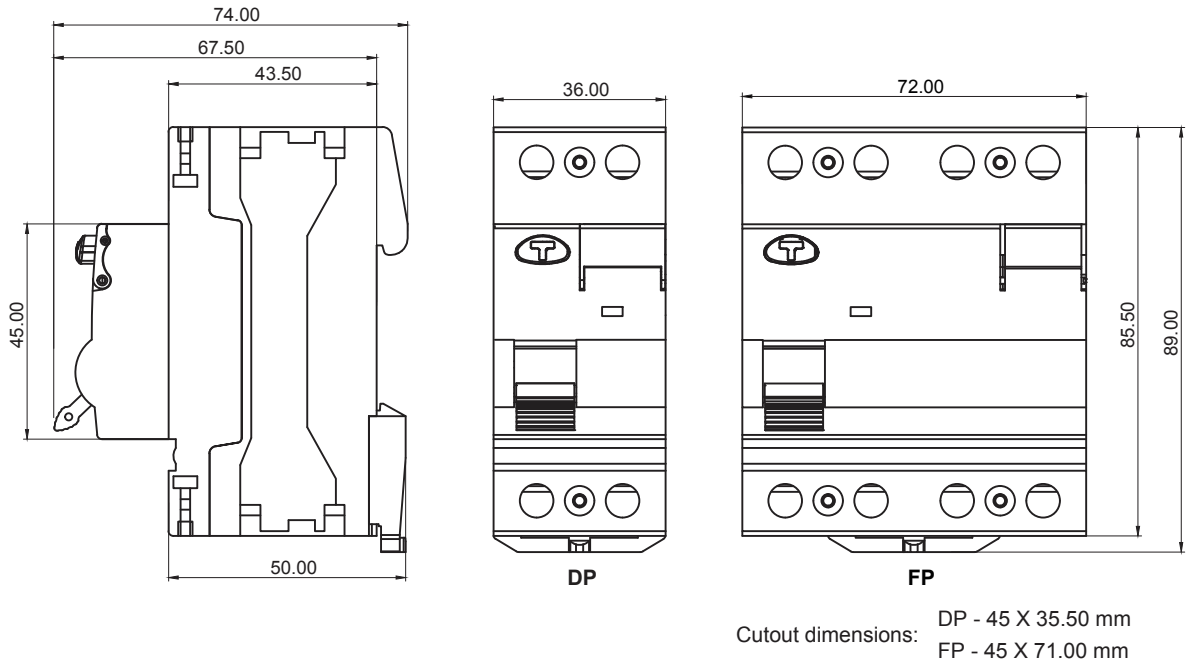


Technical Specifications – Type AC

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

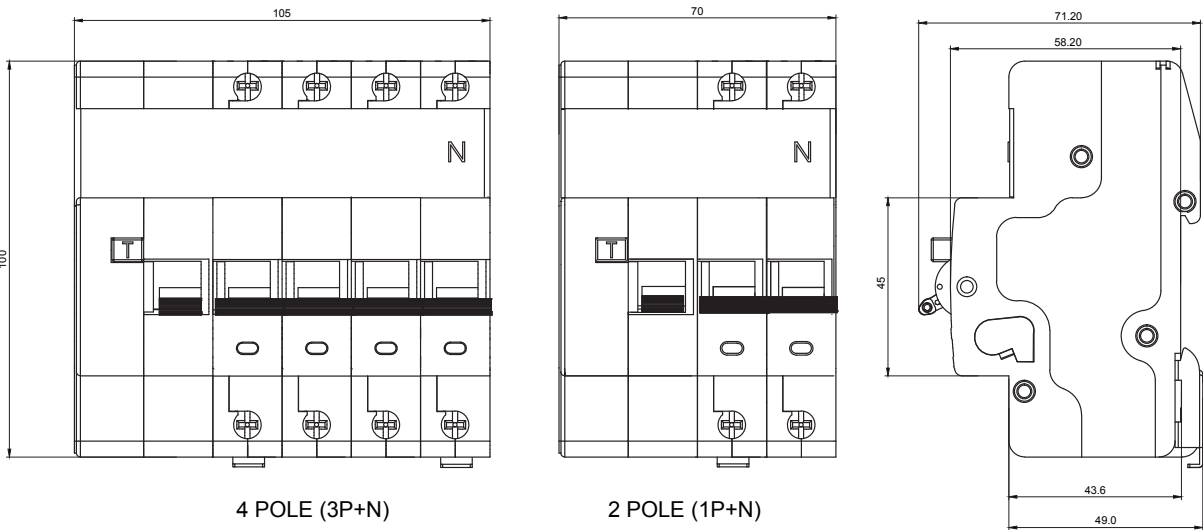
Item Code			
Rating	Sensitivity	SPN	TPN
6A	30mA	GMB101N001	GMB103N001
	100mA	GMB201N001	GMB203N001
	300mA	GMB301N001	GMB303N001
10A	30mA	GMB101N002	GMB103N002
	100mA	GMB201N002	GMB203N002
	300mA	GMB301N002	GMB303N002
16A	30mA	GMB101N003	GMB103N003
	100mA	GMB201N003	GMB203N003
	300mA	GMB301N003	GMB303N003
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)

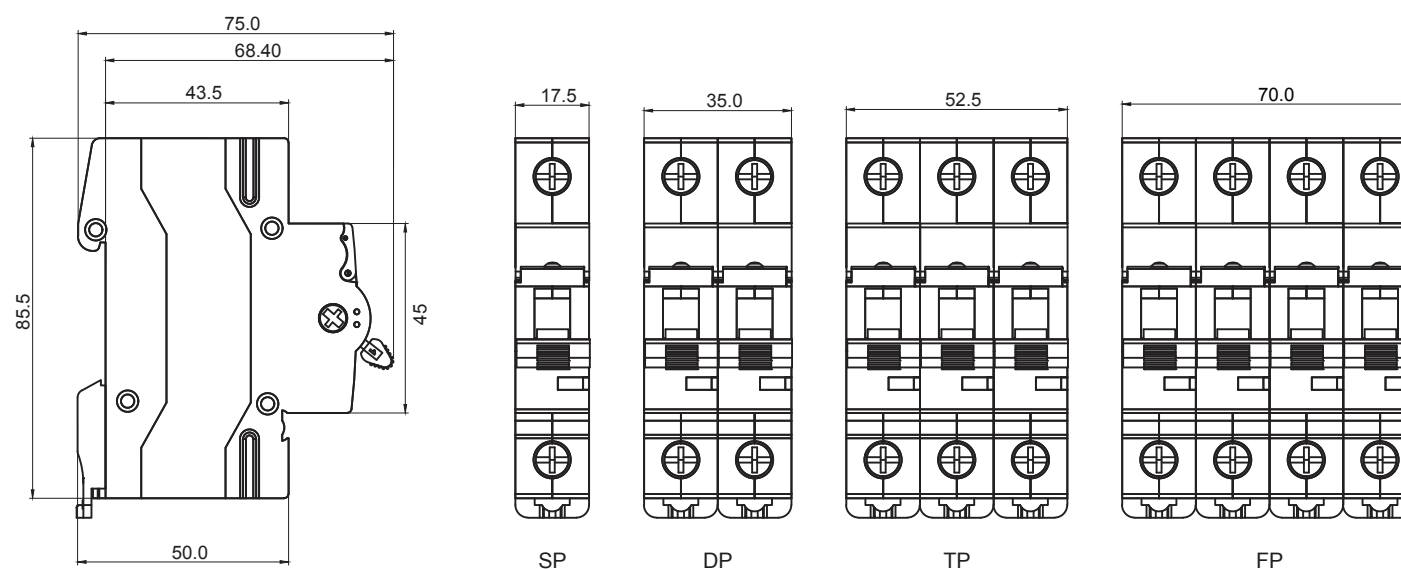
Item Code	Current Rating	PACK (P/S/M)	MRP
GMS504P001	40A	01/03/027	1209
GMS504P002	63A	01/03/027	1403
GMS504P003	80A	01/03/027	1947
GMS504P004	100A	01/03/027	1947
GMS504P005	125A	01/03/027	2078

## 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



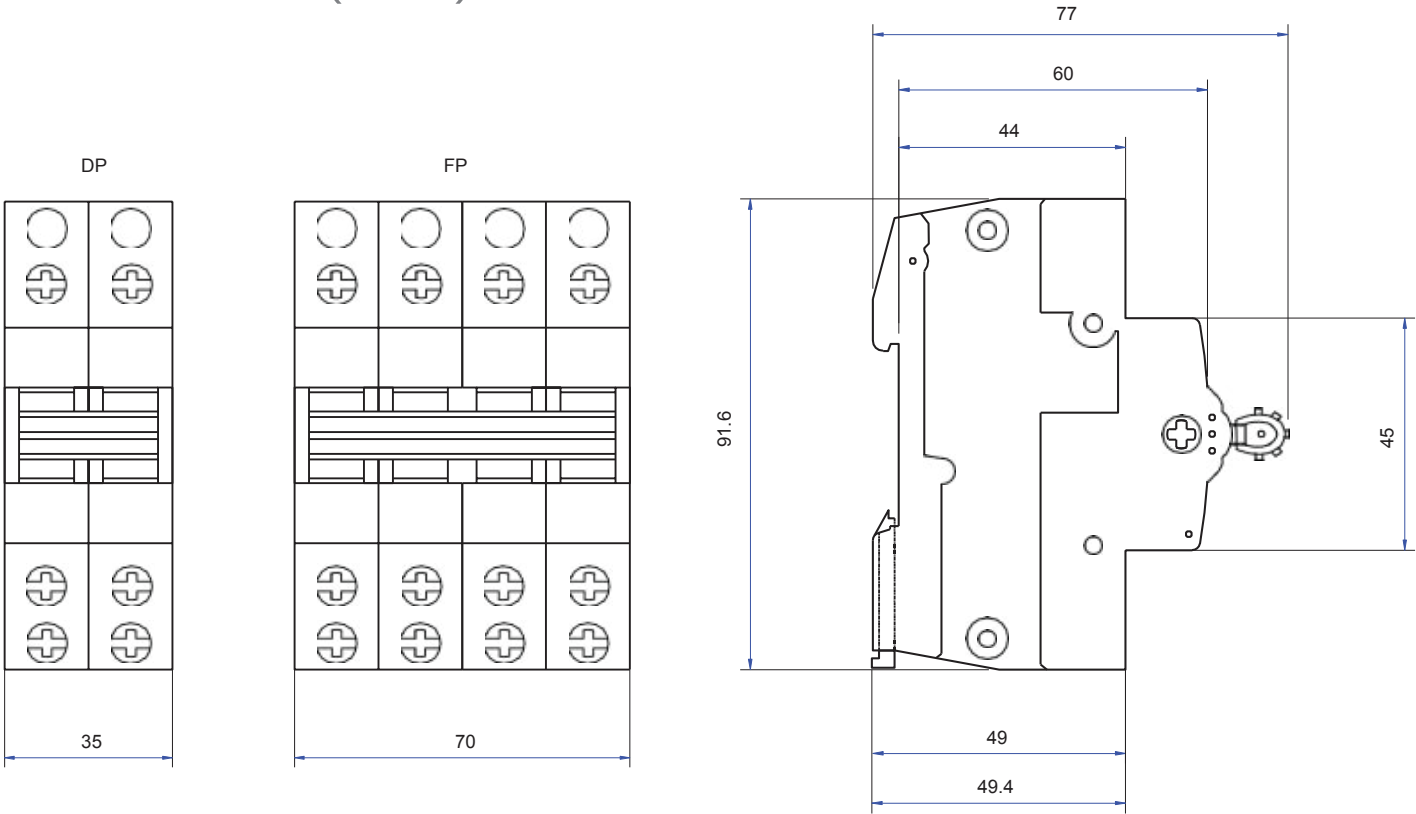
Source I



All OFF



Source II





# ACCL

Automatic Changeover with  
Current Limiter

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

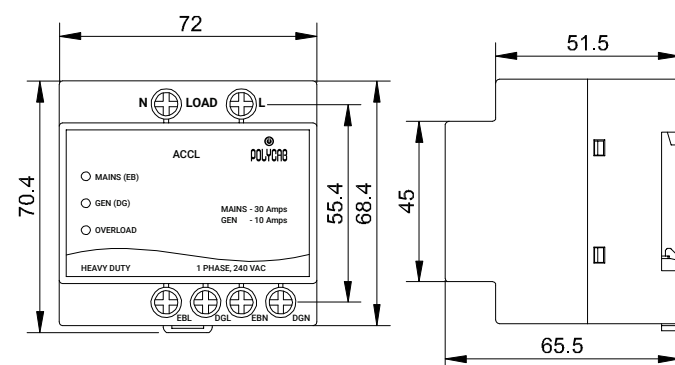
Is an ACCL a must-have for your electrical setup?

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.

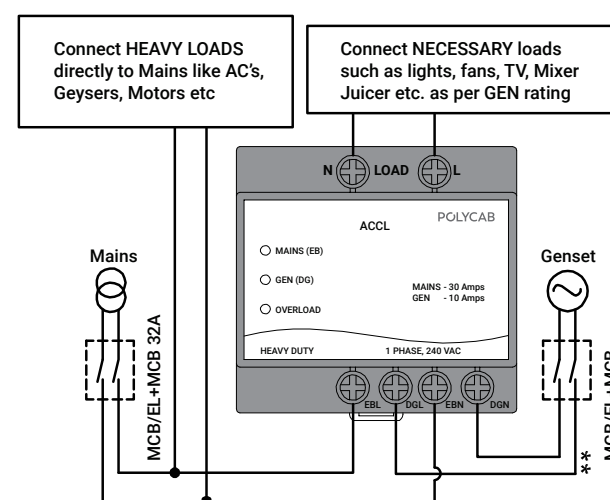
With our ACCL, you can trust in reliable power supply, even when the unexpected happens. Don't settle for uncertainty – choose our ACCL for your peace of mind and uninterrupted electricity.

## 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)
<b>Mains ON</b>	ON	OFF	OFF
<b>Genset ON</b>	OFF	ON	OFF
<b>Overload</b>	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
<b>GMC30SP005</b>	Mains: 30A, Gen: 0.5A	01/00/018	3105
<b>GMC30SP010</b>	Mains: 30A, Gen: 1A	01/00/018	3105
<b>GMC30SP015</b>	Mains: 30A, Gen: 1.5A	01/00/018	3105
<b>GMC30SP025</b>	Mains: 30A, Gen: 2.5A	01/00/018	3105
<b>GMC30SP030</b>	Mains: 30A, Gen: 3A	01/00/018	3105
<b>GMC30SP040</b>	Mains: 30A, Gen: 4A	01/00/018	3105
<b>GMC30SP050</b>	Mains: 30A, Gen: 5A	01/00/018	3105
<b>GMC30SP060</b>	Mains: 30A, Gen: 6A	01/00/018	3105
<b>GMC30SP080</b>	Mains: 30A, Gen: 8A	01/00/018	3105
<b>GMC30SP090</b>	Mains: 30A, Gen: 9A	01/00/018	3105
<b>GMC30SP100</b>	Mains: 30A, Gen: 10A	01/00/018	3105
<b>GMC30SP150</b>	Mains: 30A, Gen: 15A	01/00/018	3105
<b>GMC30SP200</b>	Mains: 30A, Gen: 20A	01/00/018	3105
<b>GMC30SP250</b>	Mains: 30A, Gen: 25A	01/00/018	3105
<b>GMC30SP300</b>	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

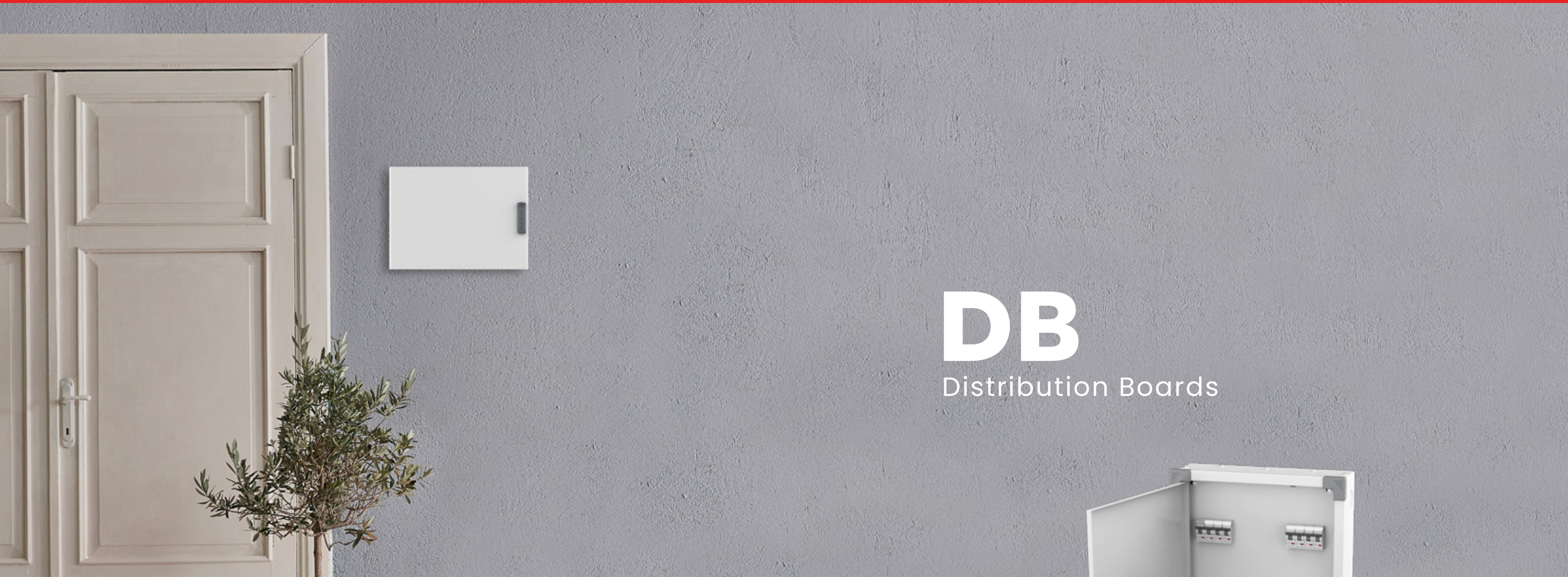
- Modular box with single pole 20A mini MCB
- 16A Plug top with ISI mark (Tested Upto 20A)
- 16A Socket with ISI mark & safety shutter (tested Upto 20A)
- Overload and short circuit protection of home appliances
- Heavy duty brass part with sliver plating in socket

## 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?

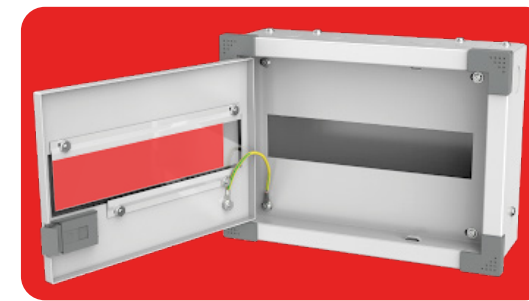
Managing your circuits is a chaotic nightmare. But with our distribution boards, you get a centralized hub for organized and safe power distribution, protecting your switchgears while ensuring efficient power management and enhanced safety features.

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





# DB FEATURES



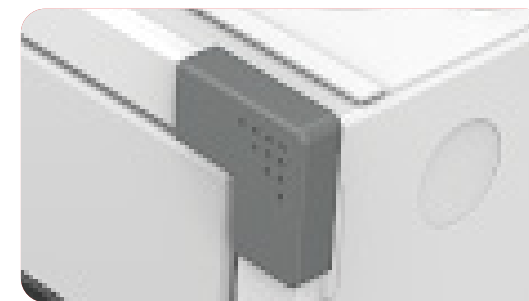
## Compact Design

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.



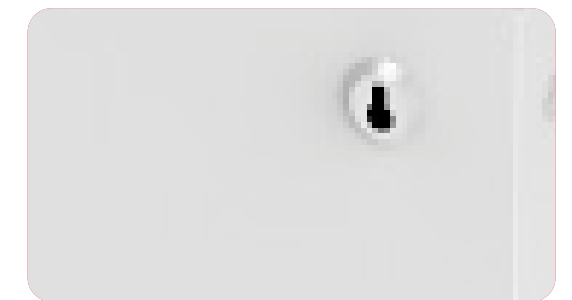
## Coated with RAL 9003 White Fine Texture

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.

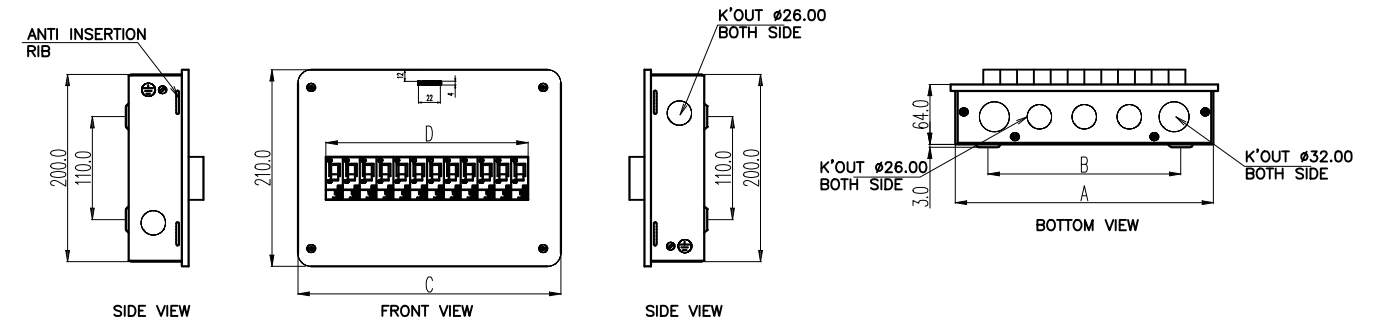




### SPN Single Door DB

(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



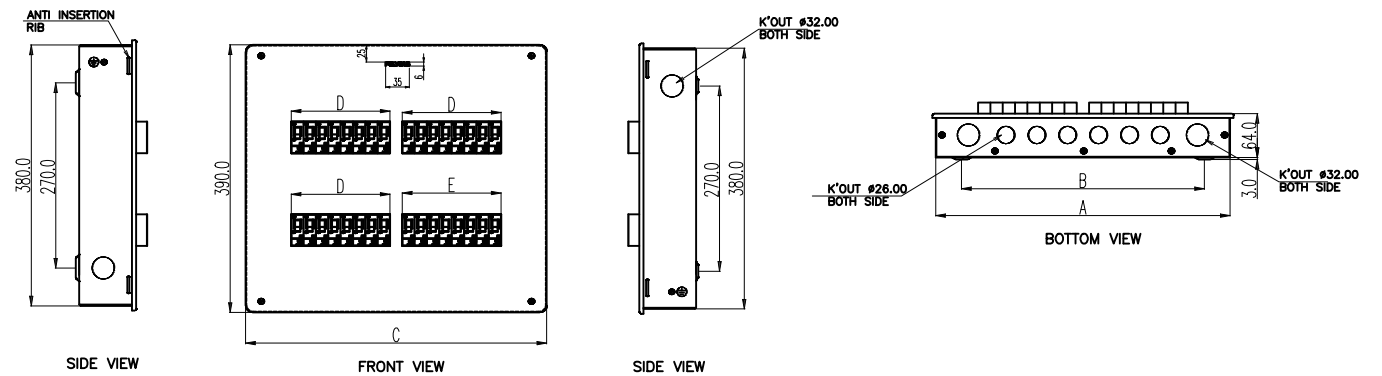
Way	Item Code	A	B	C	D	NEUTRAL LINK (c/s 9X6)	EARTHING LINK (c/s 9X6)	BUSBAR
04W	GPDSN10016	132	62	142	72	4 WAY - 1X	4 WAY - 1X	3 WAY - 1X
06W	GPDSN10017	168	98	178	108	4 WAY - 1X	4 WAY - 1X	5 WAY - 1X
08W	GPDSN10018	204	134	214	144	6 WAY - 1X	6 WAY - 1X	7 WAY - 1X
12W	GPDSN10019	276	206	286	216	10 WAY - 1X	10 WAY - 1X	11 WAY - 1X
16W	GPDSN10020	348	278	358	288	14 WAY - 1X	14 WAY - 1X	15 WAY - 1X



### TPN Single Door DB

(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

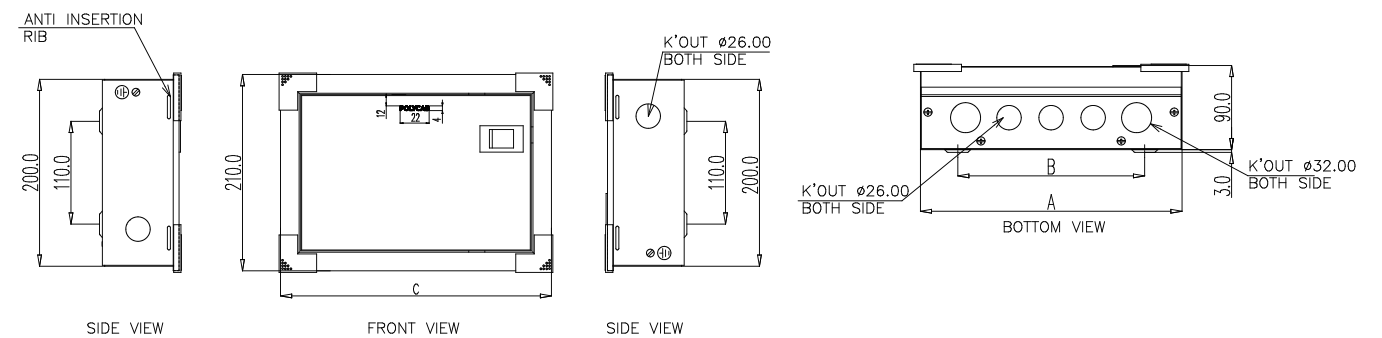


Way		Item Code	A	B	C	D	E	NEUTRAL LINK (c/s 9X6)	EARTHING LINK (c/s 9X6)	BUSBAR
04W	4+12	GPDTN10031	285	210	295	72	72	6 WAY - 2X	6 WAY - 2X	4 WAY - 3X
04W	8+12	GPDTN10032	357	282	367	72	144	6 WAY - 2X	6 WAY - 2X	4 WAY - 3X
06W	8+18	GPDTN10033	393	318	403	108	144	10 WAY - 2X	10 WAY - 2X	6 WAY - 3X
08W	8+24	GPDTN10034	429	354	439	144	144	12 WAY - 2X	12 WAY - 2X	8 WAY - 3X
12W	8+36	GPDTN10030	573	498	583	216	144	18 WAY - 2X	18 WAY - 2X	12 WAY - 3X

### SPN Double Door DB

(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



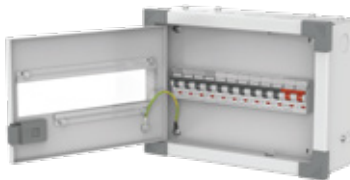
Way	Item Code	A	B	C	NEUTRAL LINK (c/s 9X6)	EARTHING LINK (c/s 9X6)	BUSBAR
04W	GPDSN20016	136	56	146	4 WAY - 1X	4 WAY - 1X	3 WAY - 1X
06W	GPDSN20012	172	92	182	4 WAY - 1X	4 WAY - 1X	5 WAY - 1X
08W	GPDSN20017	208	128	218	6 WAY - 1X	6 WAY - 1X	7 WAY - 1X
12W	GPDSN20018	280	200	290	10 WAY - 1X	10 WAY - 1X	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



### SPN Acrylic Double Door DB

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

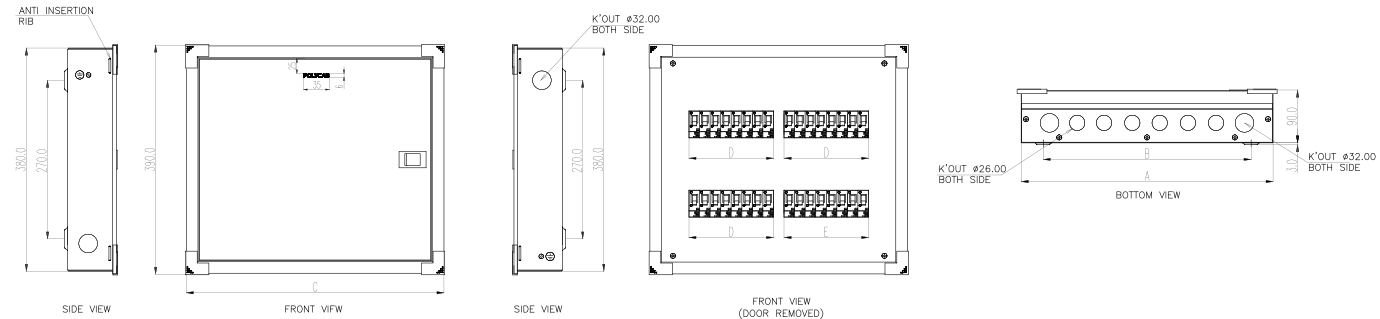
Item Code	No. of Ways	PACK (P/S/M)	MRP
GPDSN30006	04W	01/00/006	2125
GPDSN30007	06W	01/00/006	2566
GPDSN30008	08W	01/00/006	2863
GPDSN30009	12W	01/00/004	3549
GPDSN30010	16W	01/00/004	4744



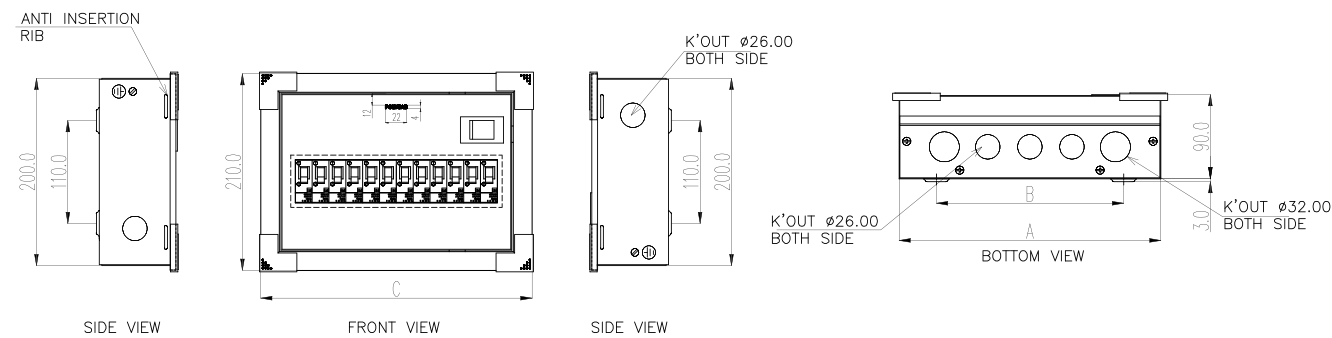
### TPN Acrylic Double Door DB

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

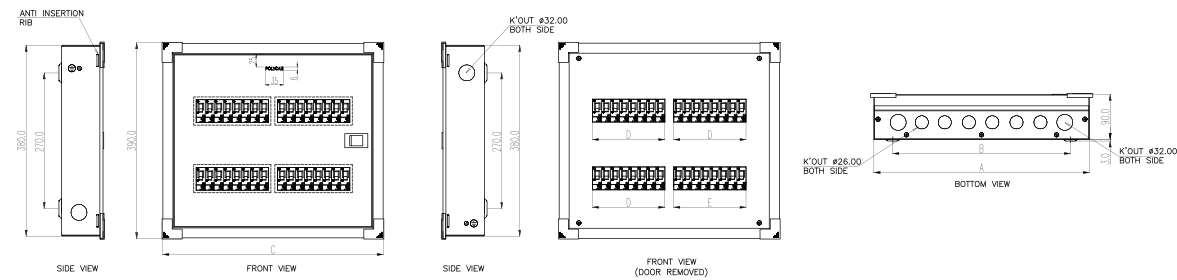
Item Code	No. of Ways	PACK (P/S/M)	MRP
GPDTN30006	04W 4+12	1	5834
GPDTN30007	04W 8+12	1	6275
GPDTN30008	06W 8+18	1	7885
GPDTN30009	08W 8+24	1	10228
GPDTN30010	12W 8+36	1	12537



Way		Item Code	A	B	C	D	E	NEUTRAL LINK (c/s 9X6)	EARTHING LINK (c/s 9X6)	BUSBAR
04W	4+12	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



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



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

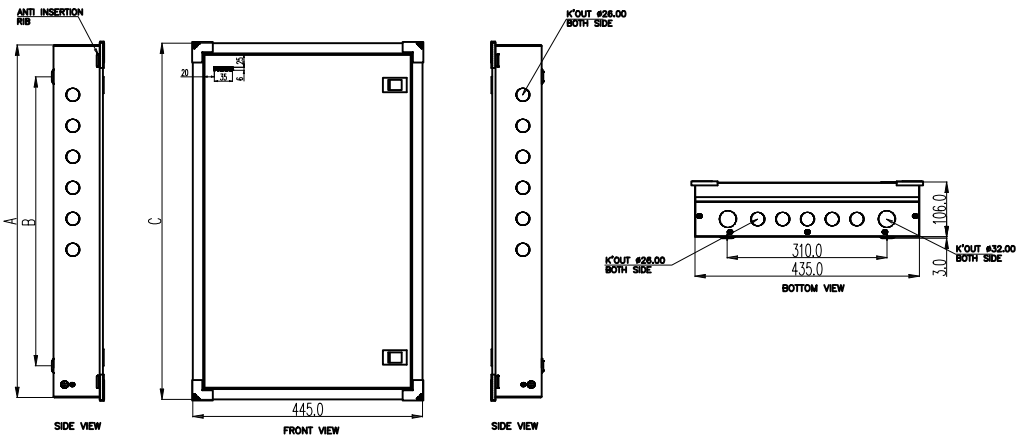




### TPN Vertical Double Door DB

(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



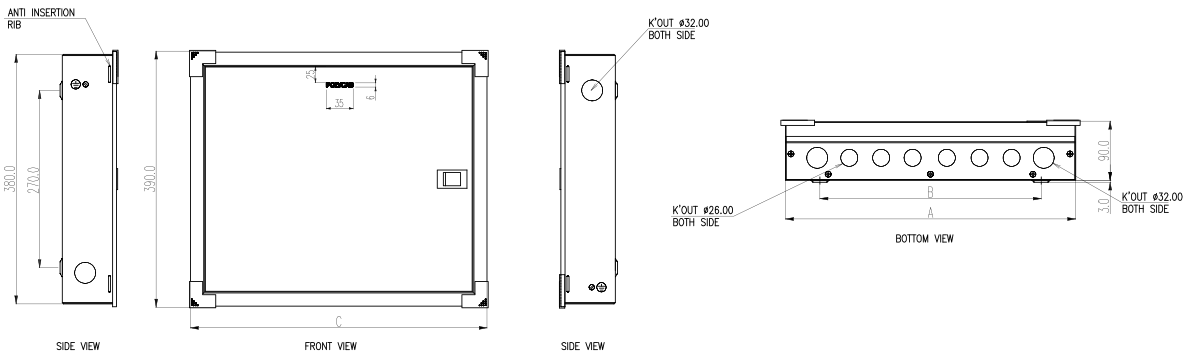
Way	Item Code	A	B	C	NEUTRAL LINK (c/s 9x6)	EARTHING LINK (c/s 9x6)
04W	GPDTN20069	467	344	477	06 WAY - 2X	06 WAY - 2X
06W	GPDTN20070	521	398	531	10 WAY - 2X	10 WAY - 2X
08W	GPDTN20071	575	452	585	12 WAY - 2X	12 WAY - 2X
12W	GPDTN20072	683	560	693	18 WAY - 2X	18 WAY - 2X



### 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



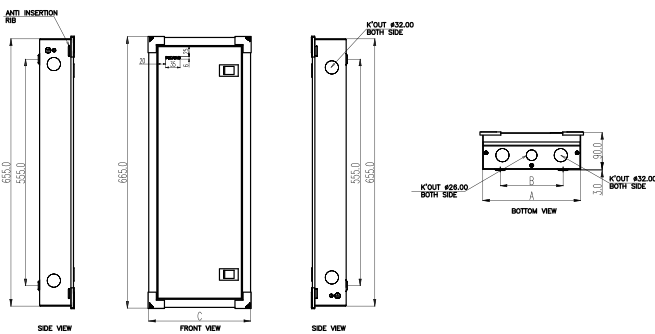
Way		Item Code	A	B	C	NEUTRAL LINK (c/s 9x6)	EARTHING LINK (c/s 9x6)	BUSBAR
4+2	8+6+12	GPDTN20077	406	301	416	4 WAY - 3X 4 WAY - 1X	6 WAY - 2X	5 WAY - 3X
6+2	8+6+18	GPDTN20078	442	337	452	6 WAY - 3X 4 WAY - 1X	10 WAY - 2X	7 WAY - 3X
8+2	8+6+24	GPDTN20079	514	409	524	10 WAY - 3X 4 WAY - 1X	12 WAY - 2X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



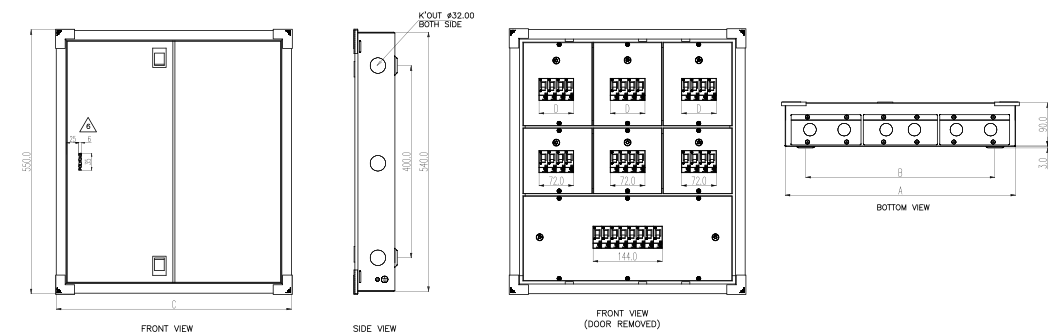
Way		Item Code	A	B	C	NEUTRAL LINK (c/s 9x6)	EARTHING LINK (c/s 9x6)	BUSBAR
4+2	8+6+12	GPDTN20046	240	154	250	6 WAY - 3X 4 WAY - 1X	10 WAY - 2X	5 WAY - 3X
6+2	8+6+18	GPDTN20047	240	154	250	6 WAY - 3X 4 WAY - 1X	10 WAY - 2X	7 WAY - 3X
8+2	8+6+24	GPDTN20048	276	190	286	10 WAY - 3X 4 WAY - 1X	12 WAY - 2X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



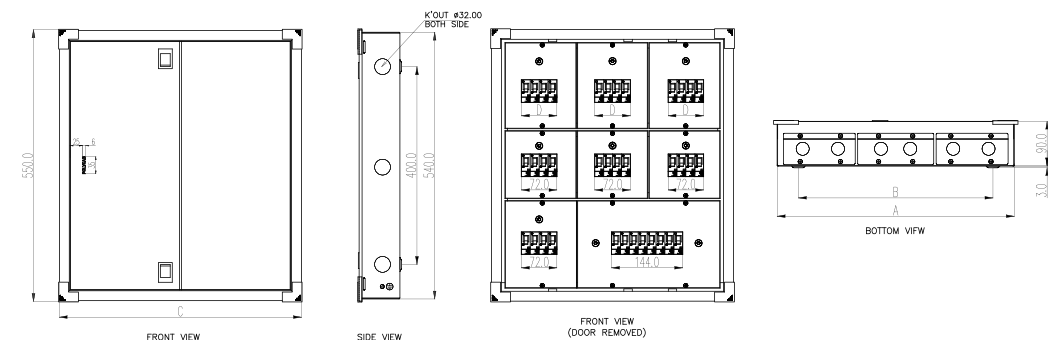
Way	Item Code	A	B	C	D	NEUTRAL LINK (c/s 9X6)	EARTHING LINK (c/s 9X6)	BUSBAR
4	GPDTN20073	480	394	490	72	4 WAY - 4X	4 WAY - 4X	4 WAY - 3X
6	GPDTN20074	588	502	598	108	4 WAY - 1X 6 WAY - 3X	4 WAY - 1X 6 WAY - 3X	6 WAY - 3X
8	GPDTN20075	696	610	706	144	4 WAY - 1X 10 WAY - 3X	4 WAY - 1X 10 WAY - 3X	8 WAY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



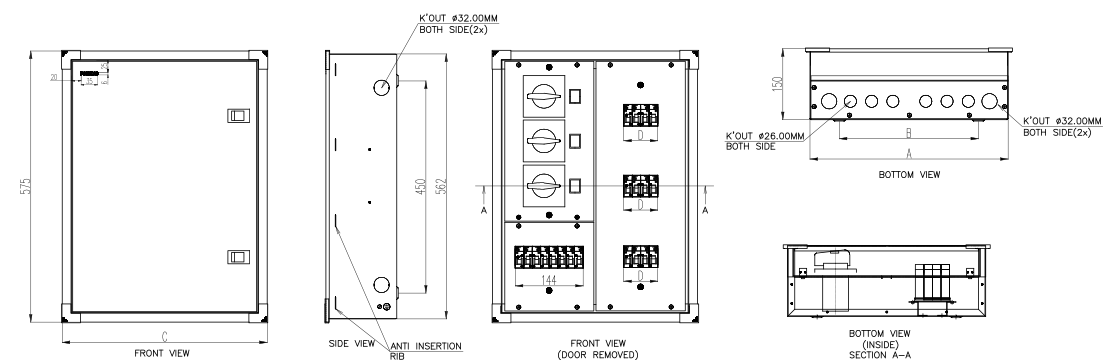
Way	Item Code	A	B	C	D	NEUTRAL LINK (c/s 9X6)	EARTHING LINK (c/s 9X6)	BUSBAR
4	GPDTN20083	480	394	490	72	4 WAY - 5X	4 WAY - 5X	4 WAY - 3X
6	GPDTN20084	588	502	598	108	4 WAY - 2X 6 WAY - 3X	4 WAY - 2X 6 WAY - 3X	6 WAY - 3X
8	GPDTN20085	696	610	706	144	4 WAY - 2X 10 WAY - 3X	4 WAY - 2X 10 WAY - 3X	8 WAY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



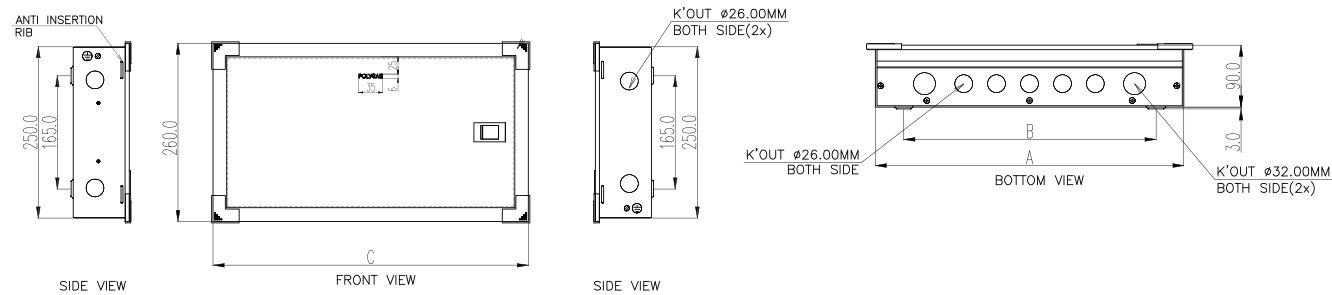
Way		Rating	Item Code	A	B	C	D	NEUTRAL LINK (c/s 9X6)	EARTHING LINK (c/s 9X6)	BUSBAR
04W	8+12	40A	GPDTN30021	420	295	430	72	4 WAY - 3X	12 WAY - 1X	4 WAY - 3X
04W	8+12	63A	GPDTN30022	420	295	430	72	4 WAY - 3X	12 WAY - 1X	4 WAY - 3X
06W	8+18	40A	GPDTN30023	456	331	466	108	6 WAY - 3X	18 WAY - 1X	6 WAY - 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

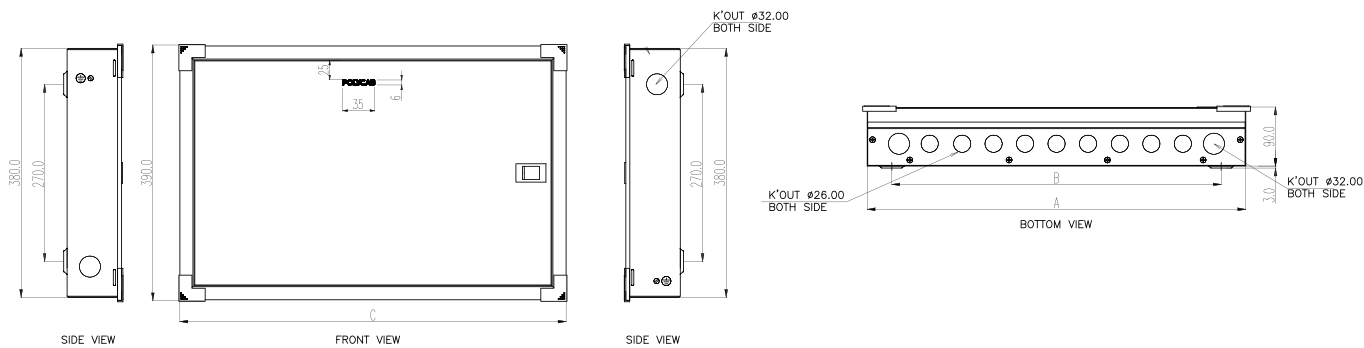


Way	Item Code	A	B	C	NEUTRAL LINK (c/s 9x6)	EARTHING LINK (c/s 9x6)	BUSBAR
06W	GPDSN40001	342	262	352	4 WAY - 1X	4 WAY - 1X	5 WAY - 1X
08W	GPDSN40002	378	298	388	6 WAY - 1X	6 WAY - 1X	7 WAY - 1X
12W	GPDSN40003	450	370	460	10 WAY - 1X	10 WAY - 1X	11 WAY - 1X
16W	GPDSN40004	522	442	532	14 WAY - 1X	14 WAY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

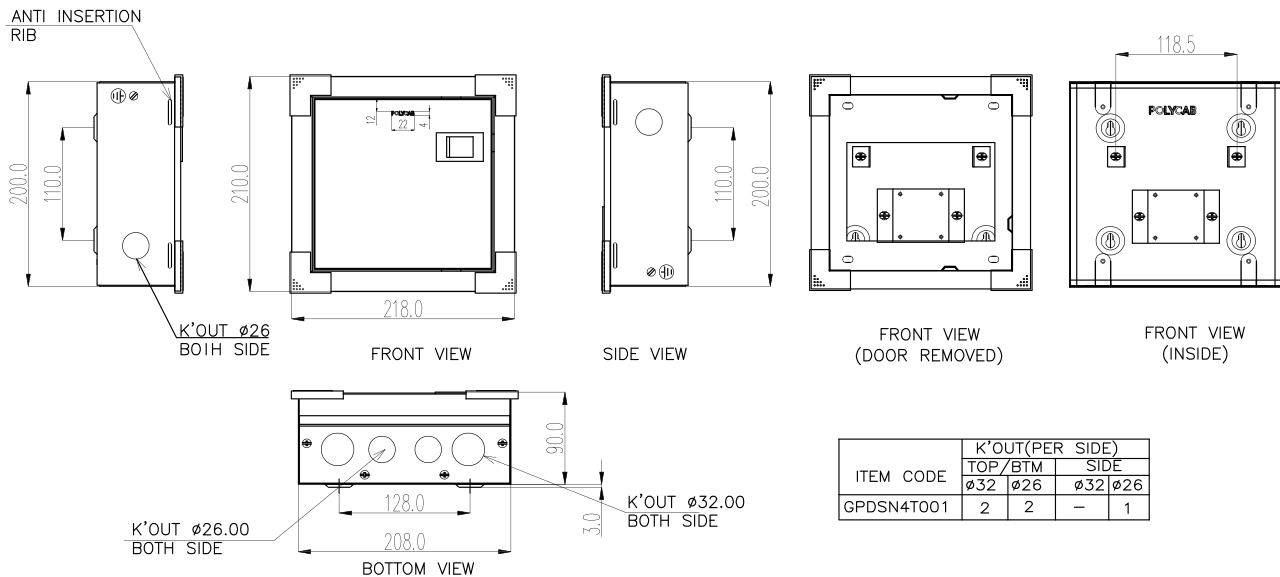


Way		Item Code	A	B	C	NEUTRAL LINK (c/s 9x6)	EARTHING LINK (c/s 9x6)	BUSBAR
04W	8+12	GPDTN40001	507	432	517	6 WAY - 2X	6 WAY - 2X	4 WAY - 3X
06W	8+18	GPDTN40002	543	468	553	10 WAY - 2X	10 WAY - 2X	6 WAY - 3X
08W	8+24	GPDTN40003	579	504	589	12 WAY - 2X	12 WAY - 2X	8 WAY - 3X
12W	8+36	GPDTN40004	723	648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



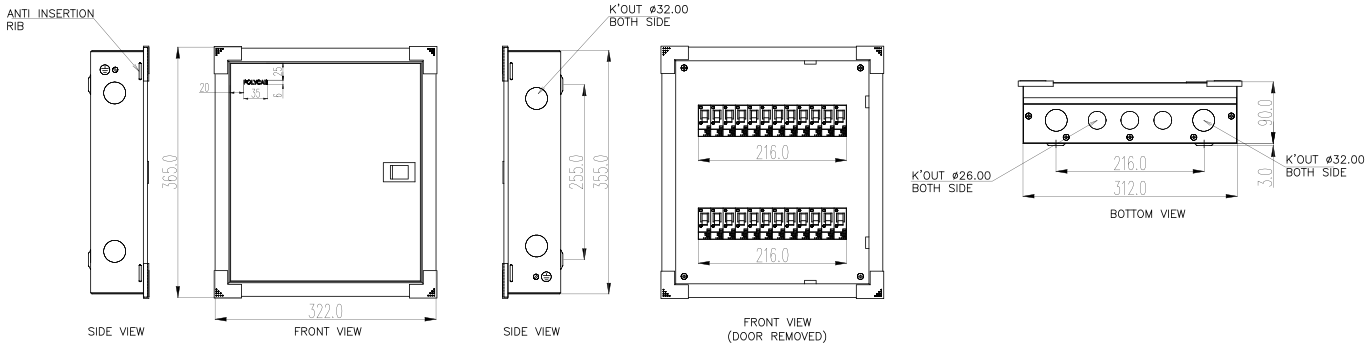
ITEM CODE	K'OUT(PER SIDE)			
	TOP/BTM	TOP/BTM	SIDE	SIDE
GPDSN4T001	2	2	-	1



Flexi Tier Double Door DB

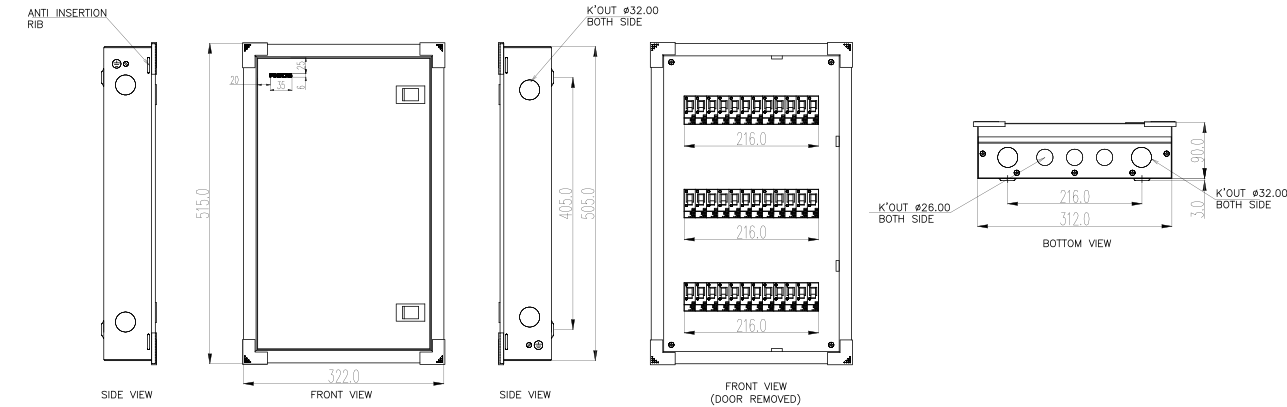
(Flexibilty of choosing Incomer & Outgoing as per your requirement, RAL - 9003 fine white texture, IP 42)

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



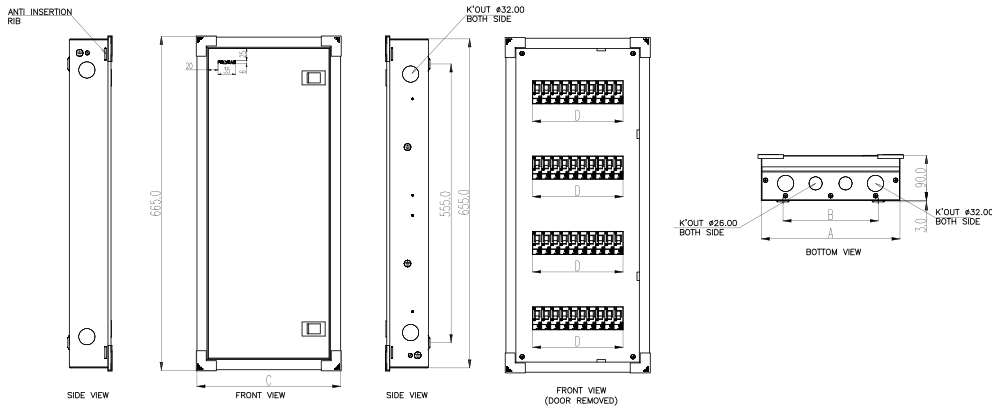
Item Code

GPDTN20052



Item Code

GPDTN20053

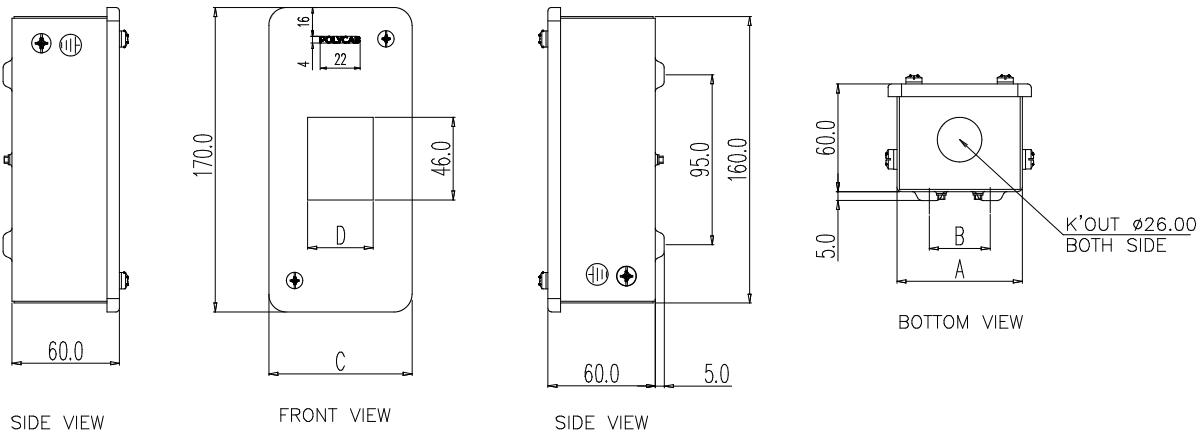


Way	Item Code	A	B	C	D	NEUTRAL LINK (c/s 9X6)	EARTHING LINK (c/s 9X6)
4T40M	GPDTN20054	276	190	286	180	10 WAY - 3X	18 WAY - 2X
4T56M	GPDTN20055	348	262	358	252	14 WAY - 3X	22 WAY - 2X



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

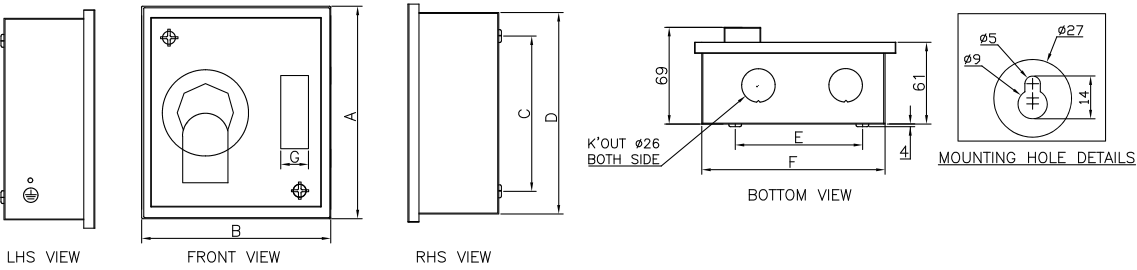




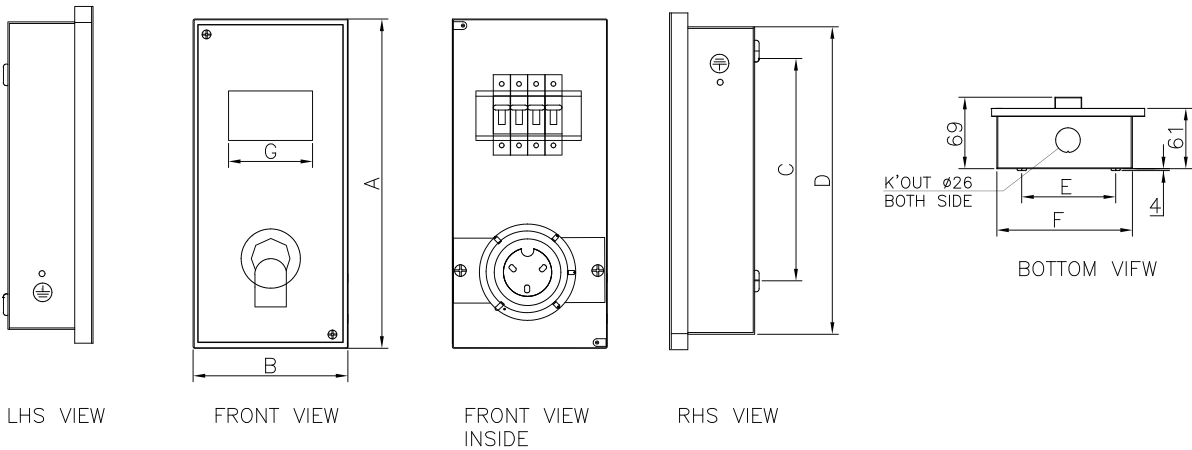
### Plug & Socket Box Single Door SM Grey White

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

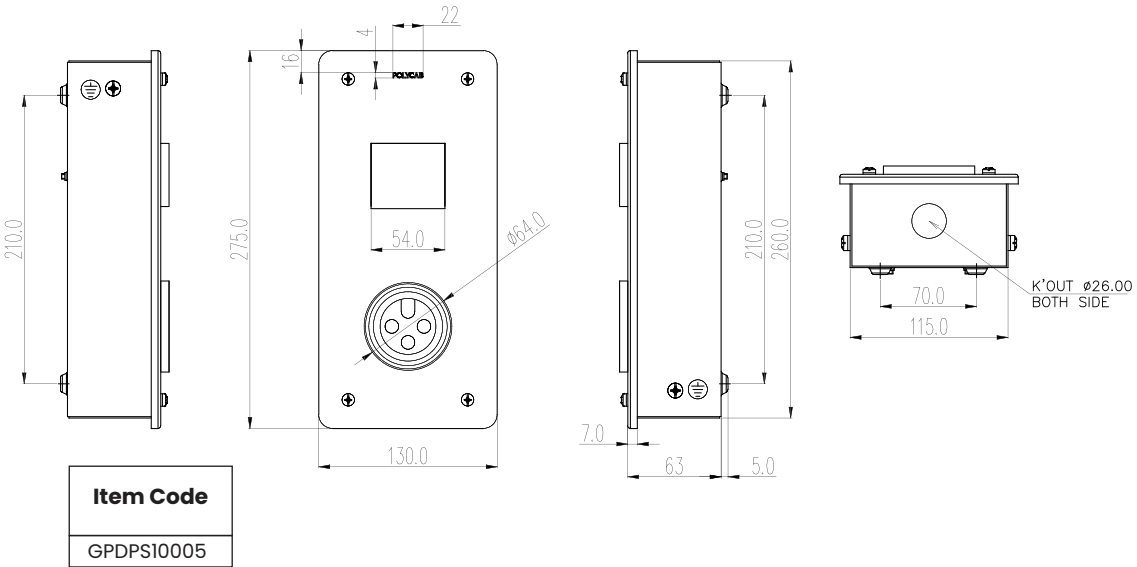
Item Code	Current Rating	PACK (P/S/M)	MRP
GPDPS10006	20A SP	01/00/025	1093
GPDPS10004	20A DP	01/00/025	1531
GPDPS10005	20A TP	1	2038
GPDPS20003	30A FP	1	3370



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

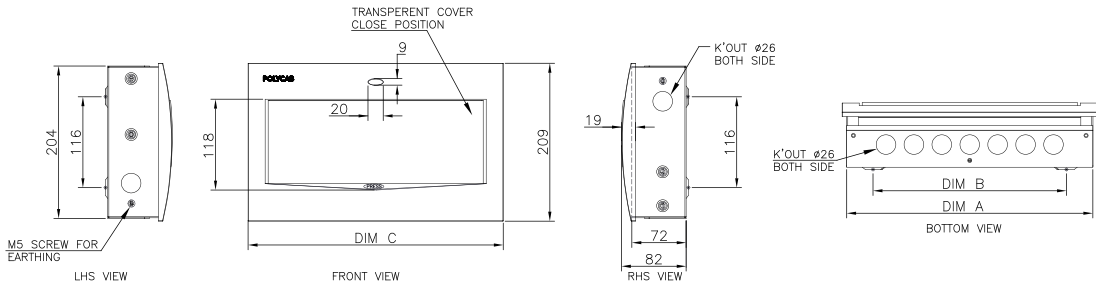


- Features:
- Polycarbonate transparent cover
  - Press to open lock
  - LED indication for incomer power source

- 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



## 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.



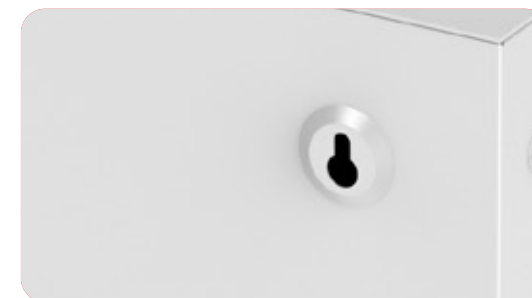
## Coated with RAL 9003 White Fine Texture

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**

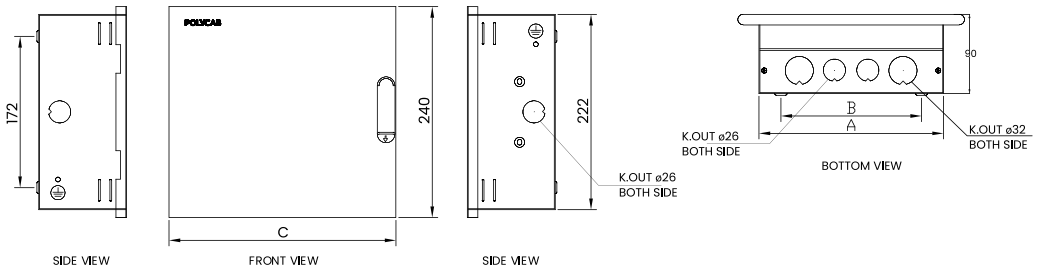
(Sheet metal) (RAL- 9003 grey white, IP 43)

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**

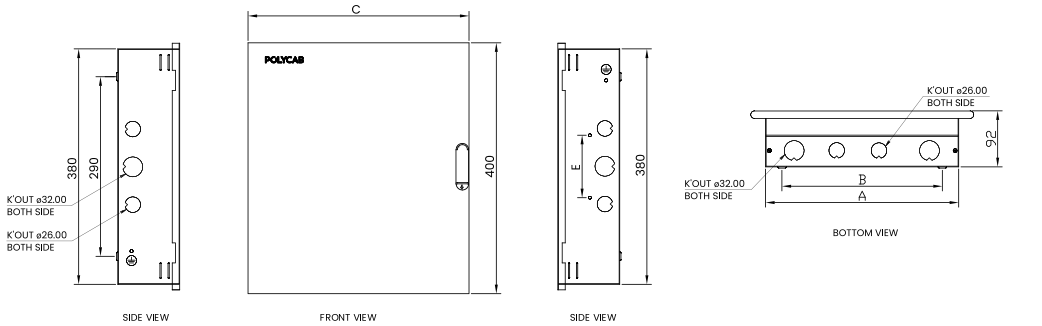
(Sheet metal) (RAL- 9003 grey white, IP 43)

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



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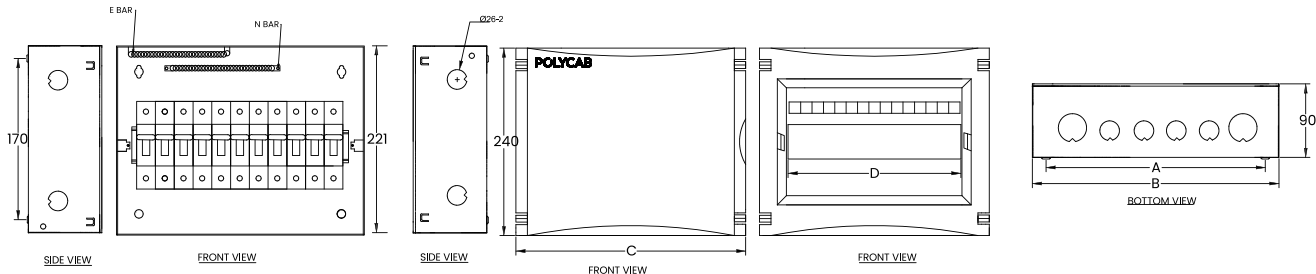
DECOUR  
T BOX



- 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

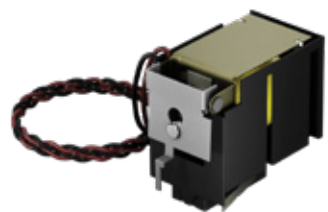
The MCCBs are Quick-Make, Quick-Break, and Independent manual type with Trip free features. The door drive mechanism indicates uniform ON/OFF/TRIP indications on the panel door.

## Testing

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



# MCCB ACCESSORIES



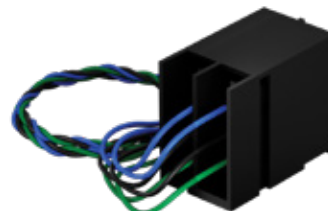
### Shunt Release

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

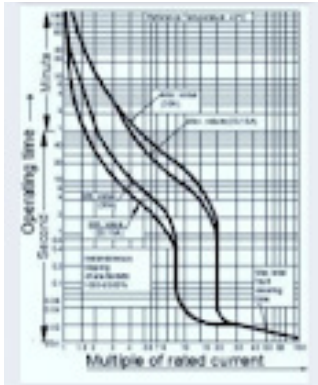
MCCB Model Type	(Frame 1)	
Rated current – Ir – (A)	63, 100, 125	
Number of poles	3	4
Rated operational voltage – Ue (ac) 50 Hz – V	415	
Rated insulation voltage – Ui (ac) 50 Hz, – V	690	
Rated impulse voltage – Uimp (ac) 50 Hz, – KV	8	
Overload Current Release Fixed range – Ir	Fixed	
S/c Magnetic Release	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.

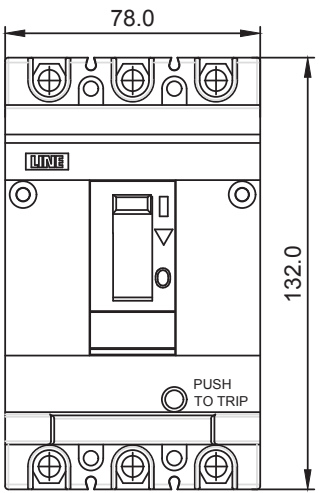
I-T Characteristics Curve

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

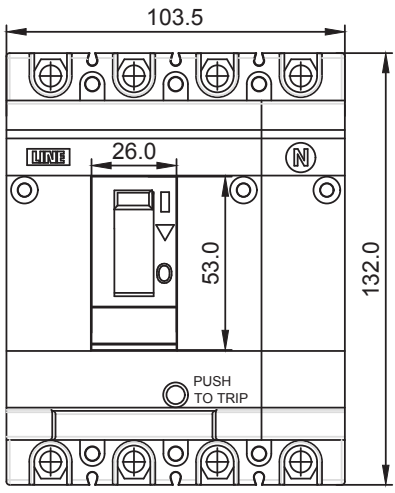


Dimensions (mm)

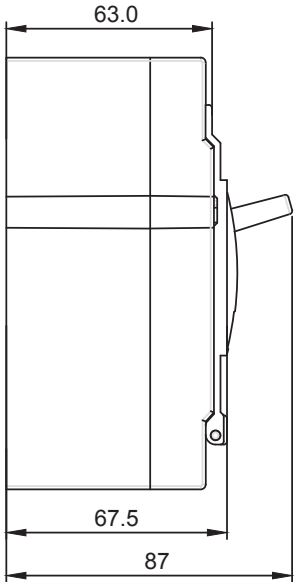
TME - 3P & 4P(63A, 100A, 125A)



DIMENSIONAL DETAILS - 3P




DIMENSIONAL DETAILS - 4P



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







# BEYOND SWITCHGEARS

EXPLORE THE POLYCAB UNIVERSE

**POLY CAB**  
**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 minimalistic 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.**



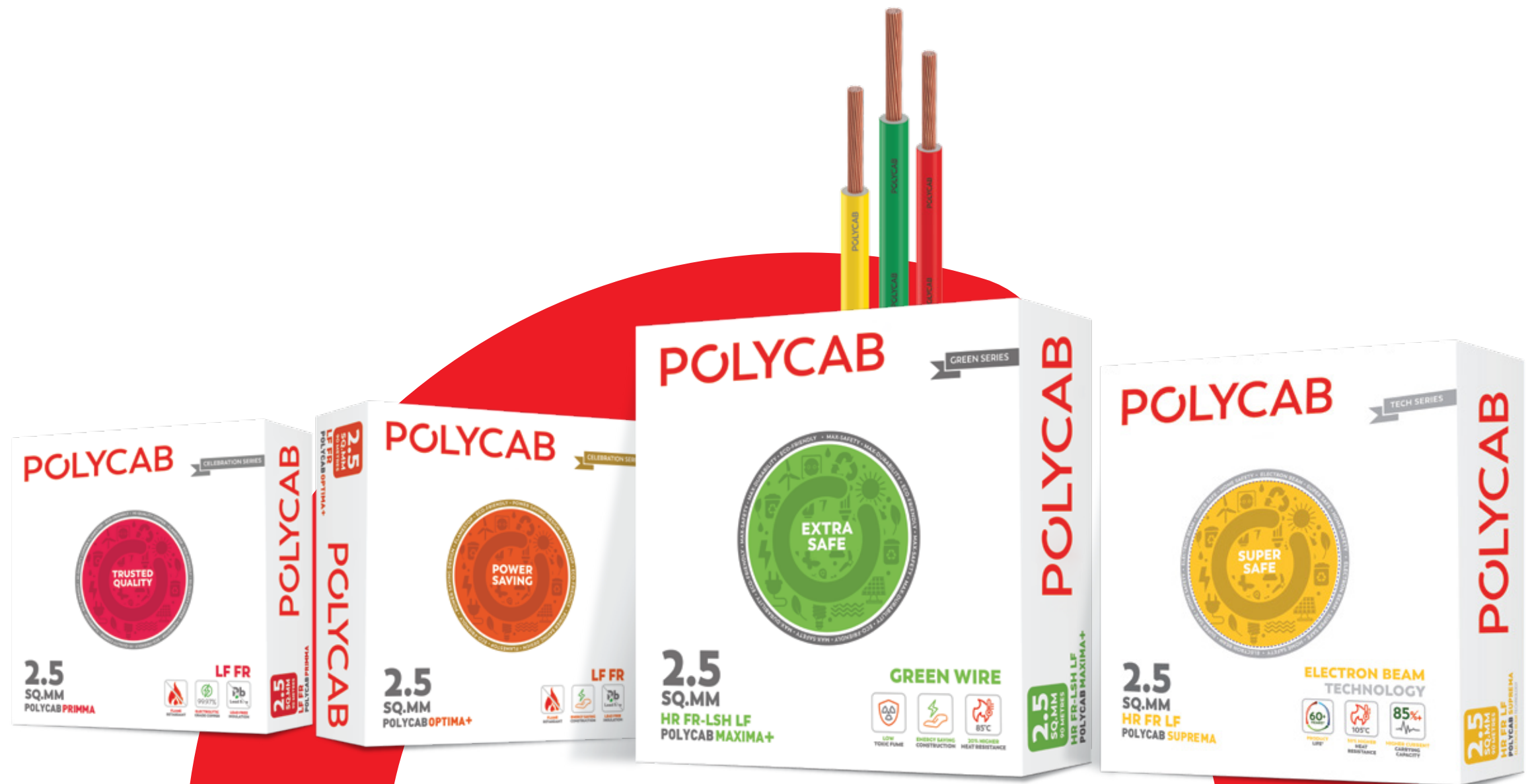
# POLYCAB

## 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.

