

OREL

Empowering
Humanity

ORANGE[®]
ELECTRIC



Get the right kind of protection Feel completely safe
and protected

OREL



Empowering Humanity

We are a multinational company, in Electrical, Lighting and Digital infrastructure products, we employ in excess of 3685 personnel across 6 continents.

We empower humanity by creating a brighter, cleaner and smarter future for everyone. From switches to smart techs to water saving, our products, technologies and services are class leading solutions for buildings and the built environment in both developed and developing countries, for today and creating a sustainable environment for the future generations.

What We Do



**Artificial
Intelligence**



Transportation



Health Care



Education



**Internet
of Things**



**Building
Infrastructure**



**Digital
Infrastructure**



**Digital
Commerce**



Our Brands

Orel has a wide portfolio of global brands across Electrical, Lighting and Digital infrastructure.



Energy Enhanced

Orange Electric provides solutions in the sphere of energy with special attention to design and efficiency.



Connecting the World

Offering complete end-to-end Network & Connectivity Solutions for industrial, commercial, medical and military sectors.



Transforming Life's with Technology

Transforming the life's and inspiring the new generation through our wide portfolio of IT solutions including Image Annotation, Image Segmentation, Data Collection, OCR, Object Tracking, Classification, Comparison and many others.



Smarter Habitat

Qbus develops products & technologies that turn homes, offices, hotels, factories & even hospitals into smart buildings. Smart solutions for convenience and energy-savings.



Reliable & Affordable

Offering quality solutions with unsurpassed functionality and fashion for a discerning customer.



Seamless Mobile Payments

OrelPay allows users to link their bank accounts and credit cards with the OrelPay mobile app and carry out transactions by simply scanning a QR code.



Smart Options for Smart People

OrelBuy is focused on providing the unequivocal online shopping experience for both consumer and retail partners at an unrivalled level of service from the first point of sale to the point of delivery including dedicated after sales support.



Electrical Busduct Solutions

Superbar Offers world class Low Voltage Electrical Busbar Trunking Systems to meet the ever demanding and complex global.



Energy Enhanced

Our wide portfolio of Building Infrastructure products are innovative and of outstanding quality and value, intended to Empower Humanity by creating a brighter, cleaner and smarter future for everyone across the globe.

Orange Electric provides solutions in the sphere of energy with special attention to design and efficiency. We have a range of batteries, home appliances, allied accessories, switches, sockets, wires, cables, circuit breakers, plugs and connectors. In addition we have industrial products under Cable Management, Switchgears, Enclosures, Busbar Trunking, Power D/Boards, Energy Optimizer, Generators, Solar, Elevators, and Electronic Robots.



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10kA






- Miniature Circuit Breaker
- Residual Current Circuit Breaker
- Isolator
- Surge Protection Device

Get the Right Kind of Protection

Orange Electric is a name synonymous with smarter and safer low voltage switchgear offering superior performance whilst conforming to the highest industry standards. Our range comes complete with both metal and plastic distribution boxes.

ALPHA

Miniature Circuit Breaker

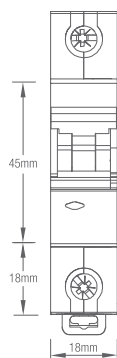
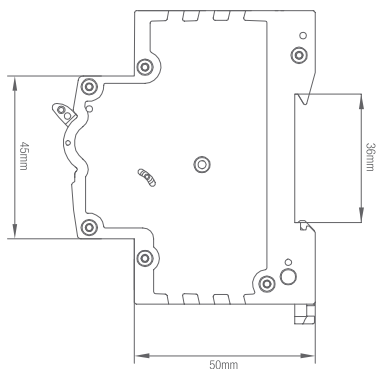
1 POLE MCB						
ITEM CODE	RATED CURRENT	NO. POLES	TYPE	RATED VOLTAGE	RATED SHORT CIRCUIT CAPACITY (Icn)	TOGGLE COLOR
470-1002	6A	1	C	230/400V	6kA	
470-1003	10A	1	C	230/400V	6kA	
470-1004	16A	1	C	230/400V	6kA	
470-1005	20A	1	C	230/400V	6kA	
470-1007	32A	1	C	230/400V	6kA	

APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

- Connection : Screw type terminals
- Method of Installation : Mounting on 35mm DIN rail
- Warranty Period : Five years warranty*
- Standard Complied : IEC 60898-1 / SLS 1175
- Certification : SLS
- Protection : Against overload and short circuit
- Protected Poles : All poles protected
- Rated Voltage : 1 pole - 230/400VAC
- Rated Frequency : 50/60Hz
- Rated Current : 6, 10, 16, 20, 32 A
- Type of Trip : Thermal/ Magnetic release
- Rated Service Short Circuit Capacity(Ics) : 6kA
- Temperature Limit : -5 °C to +40 °C
- Instantaneous Tripping Characteristics : Type C
- Degree of Protection : IP20
- Rated Impulse withstand Voltage(Uimp) : 4kV



Residual Current Circuit Breaker

1P + N RCCB				
ITEM CODE	RATED CURRENT	NO.POLES	RATED VOLTAGE	RATED RESIDUAL OPERATING CURRENT
471-2001	40A	1P+N	230V	30mA

APPLICATIONS

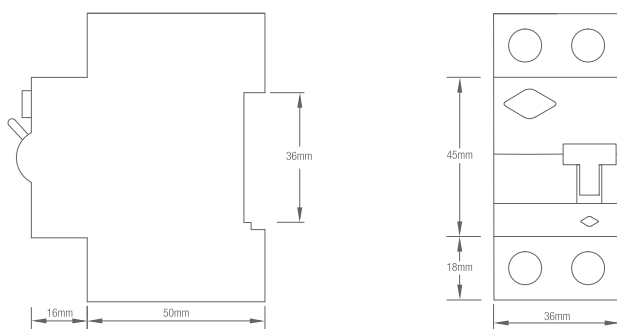
Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Five years warranty*
Standard Complied	: IEC 61008-1
Certification	: CB, KEMA
Rated Voltage (Un)	: 230VAC (1P + N)
Rated Frequency	: 50Hz
Rated Current (In)	: 40A
Time Delay	: Without time delay
Rated Residual Current (IΔn)	: 30mA
Rated Conditional Short Circuit Current(I _{nc})	: 6kA
Rated Conditional Residual Short Circuit Current (IΔc)	: 6kA
Rated Making and Breaking Capacity(I _m)	: 500A
Rated Residual Making and Breaking Capacity(IΔm)	: 500A
Operating Characteristic in Presence of Residual Current with d.c Components	: Type AC
Ambient Temperature Limit	: -25 °C to +40 °C



RCCB Rating (A)	MCB Rating			
	32A	40A	63A	100A
40	✓	✓		
63			✓	
100				✓



Isolator

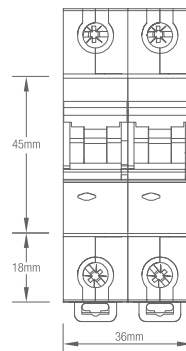
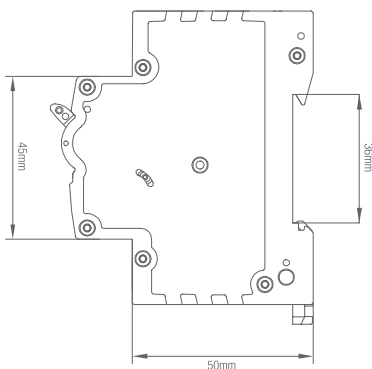
2 Pole Isolator			
ITEM CODE	RATED CURRENT	NO.POLES	RATED VOLTAGE
472-1001	40A	2	230/400V

APPLICATIONS

Industrial/Residential/Hotel/General Purpose








PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Five years warranty*
Standard Complied	: IEC 60947-3
Suitability for Isolation	: Suitable
Utilization Category	: AC-22A
Kind of Current	: a.c.
Rated Frequency	: 50Hz
Rated Operational Voltage (Ue)	: 230/400VAC
Rated Insulation Voltage (Ui)	: 690V
Rated Impulse withstand Voltage (Uimp)	: 6kV
Rated Operational Current (Ie)	: 40A
Conventional Free Air Thermal Current(Ith)	: 40A
Rated Uninterrupted Current (Iu)	: 40A
Rated Short Time withstand Current (Icw)	: 12Ie, 1s
Rated Short Circuit Making Capacity (Icm)	: 20 Ie
Degree of Protection	: IP20



SIGMA

Miniature Circuit Breaker (Type C)

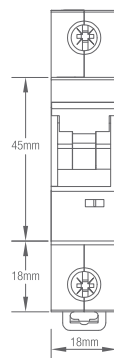
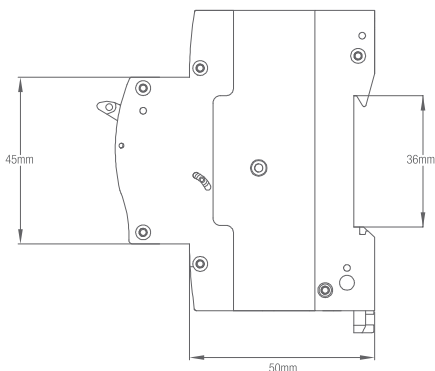
1 POLE MCB						
ITEM CODE	RATED CURRENT	NO. POLES	TYPE	RATED VOLTAGE	RATED SHORT CIRCUIT CAPACITY (Icn)	TOGGLE COLOR
470-3002	6A	1	C	240/415V	6kA	
470-3003	10A	1	C	240/415V	6kA	
470-3004	16A	1	C	240/415V	6kA	
470-3005	20A	1	C	240/415V	6kA	
470-3007	32A	1	C	240/415V	6kA	
470-3008	40A	1	C	240/415V	6kA	
470-3010	63A	1	C	240/415V	6kA	

APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 60898-1 / SLS 1175
Certification	: SLS / KEMA / CB
Protection	: Against overload and short circuit
Protected Poles	: All poles protected
Rated Voltage (Un)	: 1 pole - 240/415VAC
Rated Frequency	: 50/60Hz
Rated Current	: 6, 10, 16, 20, 32, 40, 63 A
Type of Trip	: Thermal/ Magnetic release
Rated Service Short Circuit Capacity(Ics)	: 6kA
Temperature Limit	: -5 °C to +40 °C
Instantaneous Tripping Characteristics	: Type C
Degree of Protection	: IP20
Rated Impulse withstand Voltage(Uimp)	: 4kV



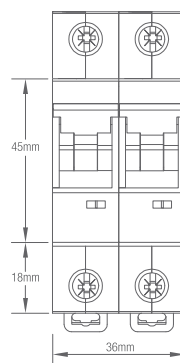
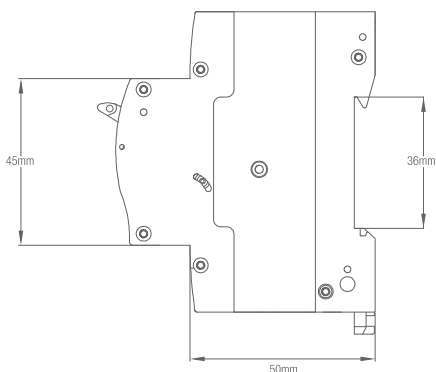
2 POLE MCB						
ITEM CODE	RATED CURRENT	NO. POLES	TYPE	RATED VOLTAGE	RATED SHORT CIRCUIT CAPACITY (Icn)	TOGGLE COLOR
470-3011	6A	2	C	415V	6kA	
470-3012	10A	2	C	415V	6kA	
470-3013	16A	2	C	415V	6kA	
470-3014	20A	2	C	415V	6kA	
470-3016	32A	2	C	415V	6kA	
470-3017	40A	2	C	415V	6kA	
470-3019	63A	2	C	415V	6kA	








APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 60898-1 / SLS 1175
Certification	: SLS / KEMA / CB
Protection	: Against overload and short circuit
Protected Poles	: All poles protected
Rated Voltage	: 2 pole - 415VAC
Rated Frequency	: 50/60Hz
Rated Current	: 6, 10, 16, 20, 32, 40, 63 A
Type of Trip	: Thermal/ Magnetic release
Rated Service Short Circuit Capacity(Ics)	: 6kA
Temperature Limit	: -5 °C to +40 °C
Instantaneous Tripping Characteristics	: Type C
Degree of Protection	: IP20
Rated Impulse withstand Voltage(Uimp)	: 4kV



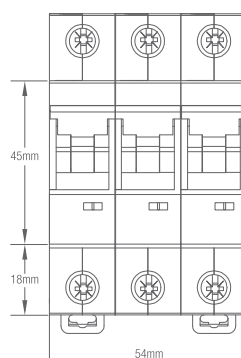
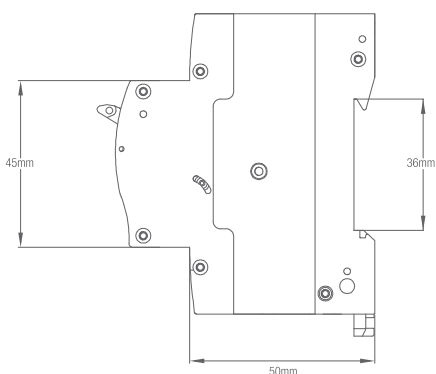
3 POLE MCB						
ITEM CODE	RATED CURRENT	NO. POLES	TYPE	RATED VOLTAGE	RATED SHORT CIRCUIT CAPACITY (Icn)	TOGGLE COLOR
470-3020	6A	3	C	415V	6kA	
470-3021	10A	3	C	415V	6kA	
470-3022	16A	3	C	415V	6kA	
470-3023	20A	3	C	415V	6kA	
470-3025	32A	3	C	415V	6kA	
470-3026	40A	3	C	415V	6kA	
470-3028	63A	3	C	415V	6kA	

APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 60898-1 / SLS 1175
Certification	: SLS / KEMA / CB
Protection	: Against overload and short circuit
Protected Poles	: All poles protected
Rated Voltage	: 3 pole - 415VAC
Rated Frequency	: 50/60Hz
Rated Current	: 6, 10, 16, 20, 32, 40, 63 A
Type of Trip	: Thermal/ Magnetic release
Rated Service Short Circuit Capacity(Ics)	: 6kA
Temperature Limit	: -5 °C to +40 °C
Instantaneous Tripping Characteristics	: Type C
Degree of Protection	: IP20
Rated Impulse withstand Voltage(Uimp)	: 4kV



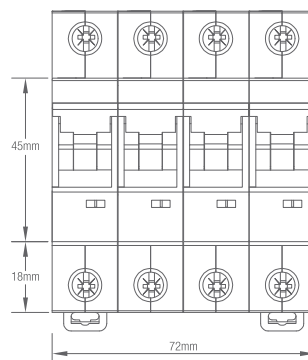
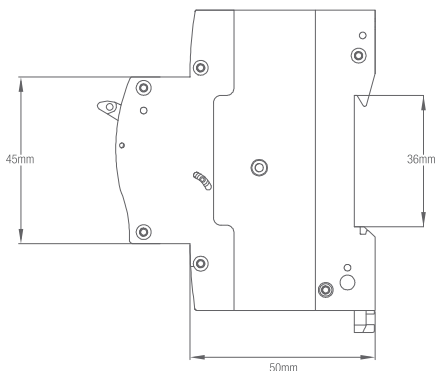
4 POLE MCB						
ITEM CODE	RATED CURRENT	NO. POLES	TYPE	RATED VOLTAGE	RATED SHORT CIRCUIT CAPACITY (Icn)	TOGGLE COLOR
470-3029	6A	4	C	415V	6kA	
470-3030	10A	4	C	415V	6kA	
470-3031	16A	4	C	415V	6kA	
470-3032	20A	4	C	415V	6kA	
470-3034	32A	4	C	415V	6kA	
470-3035	40A	4	C	415V	6kA	
470-3037	63A	4	C	415V	6kA	

APPLICATIONS

Industrial/Residential/Hotel/General Purpose








PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 60898-1 / SLS 1175
Certification	: SLS / KEMA / CB
Protection	: Against overload and short circuit
Protected Poles	: All poles protected
Rated Voltage	: 4 pole - 415VAC
Rated Frequency	: 50/60Hz
Rated Current	: 6, 10, 16, 20, 32, 40, 63 A
Type of Trip	: Thermal/Magnetic release
Rated Service Short Circuit Capacity(Ics)	: 6kA
Temperature Limit	: -5 °C to +40 °C
Instantaneous Tripping Characteristics	: Type C
Degree of Protection	: IP20
Rated Impulse Withstand Voltage(Uimp)	: 4kV



SIGMA 10kA

Miniature Circuit Breaker (Type C)

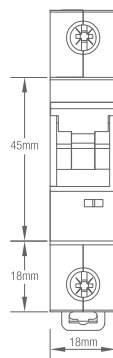
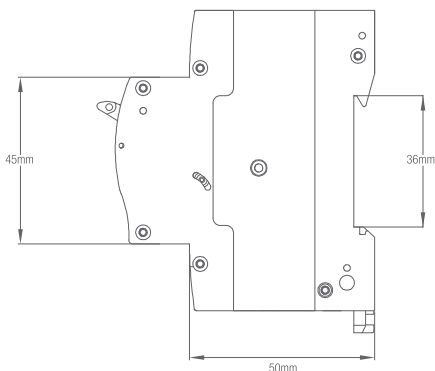
1 POLE MCB						
ITEM CODE	RATED CURRENT	NO. POLES	TYPE	RATED VOLTAGE	RATED SHORT CIRCUIT CAPACITY (Icn)	TOGGLE COLOR
510-4003	6A	1	C	240/415V	10kA	
510-4004	10A	1	C	240/415V	10kA	
510-4005	16A	1	C	240/415V	10kA	
510-4006	20A	1	C	240/415V	10kA	
510-4008	32A	1	C	240/415V	10kA	
510-4009	40A	1	C	240/415V	10kA	
510-4011	63A	1	C	240/415V	10kA	

APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 60898-1 / SLS 1175
Protection	: Against overload and short circuit
Protected Poles	: All poles protected
Rated Voltage (Un)	: 1 pole - 240/415VAC
Rated Frequency	: 50/60Hz
Rated Current	: 6, 10, 16, 20, 32, 40, 63 A
Type of Trip	: Thermal/ Magnetic release
Rated Service Short Circuit Capacity(Ics)	: 7.5kA
Temperature Limit	: -5 °C to +40 °C
Instantaneous Tripping Characteristics	: Type C
Degree of Protection	: IP20
Rated Impulse withstand Voltage(Uimp)	: 4kV



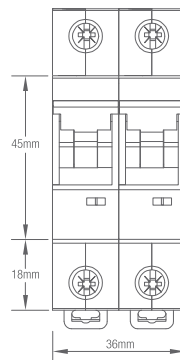
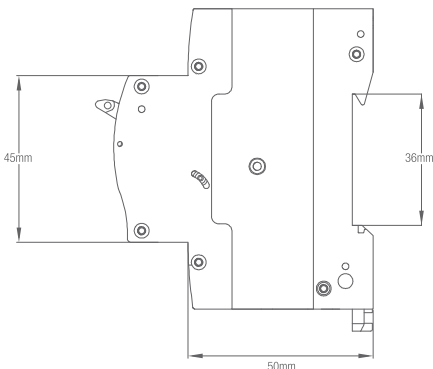
2 POLE MCB						
ITEM CODE	RATED CURRENT	NO. POLES	TYPE	RATED VOLTAGE	RATED SHORT CIRCUIT CAPACITY (Icn)	TOGGLE COLOR
510-4015	6A	2	C	415V	10kA	
510-4016	10A	2	C	415V	10kA	
510-4017	16A	2	C	415V	10kA	
510-4018	20A	2	C	415V	10kA	
510-4020	32A	2	C	415V	10kA	
510-4021	40A	2	C	415V	10kA	
510-4023	63A	2	C	415V	10kA	

APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 60898-1 / SLS 1175
Protection	: Against overload and short circuit
Protected Poles	: All poles protected
Rated Voltage	: 2 pole - 415VAC
Rated Frequency	: 50/60Hz
Rated Current	: 6, 10, 16, 20, 32, 40, 63 A
Type of Trip	: Thermal/ Magnetic release
Rated Service Short Circuit Capacity(Ics)	: 7.5kA
Temperature Limit	: -5 °C to +40 °C
Instantaneous Tripping Characteristics	: Type C
Degree of Protection	: IP20
Rated Impulse withstand Voltage(Uimp)	: 4kV



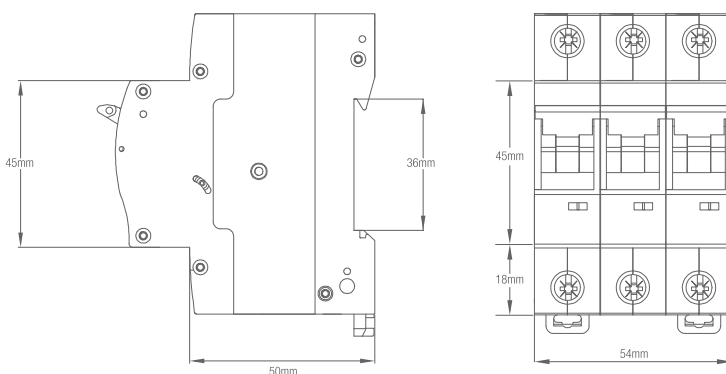
3 POLE MCB						
ITEM CODE	RATED CURRENT	NO. POLES	TYPE	RATED VOLTAGE	RATED SHORT CIRCUIT CAPACITY (Icn)	TOGGLE COLOR
510-4027	6A	3	C	415V	10kA	
510-4028	10A	3	C	415V	10kA	
510-4029	16A	3	C	415V	10kA	
510-4030	20A	3	C	415V	10kA	
510-4032	32A	3	C	415V	10kA	
510-4033	40A	3	C	415V	10kA	
510-4035	63A	3	C	415V	10kA	

APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 60898-1 / SLS 1175
Protection	: Against overload and short circuit
Protected Poles	: All poles protected
Rated Voltage	: 3 pole - 415VAC
Rated Frequency	: 50/60Hz
Rated Current	: 6, 10, 16, 20, 32, 40, 63 A
Type of Trip	: Thermal/ Magnetic release
Rated Service Short Circuit Capacity(Ics)	: 7.5kA
Temperature Limit	: -5 °C to +40 °C
Instantaneous Tripping Characteristics	: Type C
Degree of Protection	: IP20
Rated Impulse withstand Voltage(Uimp)	: 4kV



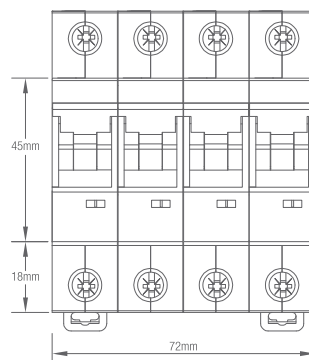
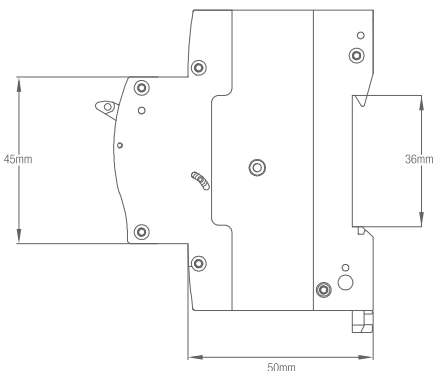
4 POLE MCB						
ITEM CODE	RATED CURRENT	NO. POLES	TYPE	RATED VOLTAGE	RATED SHORT CIRCUIT CAPACITY (Icn)	TOGGLE COLOR
510-4039	6A	4	C	415V	10kA	
510-4040	10A	4	C	415V	10kA	
510-4041	16A	4	C	415V	10kA	
510-4042	20A	4	C	415V	10kA	
510-4044	32A	4	C	415V	10kA	
510-4045	40A	4	C	415V	10kA	
510-4047	63A	4	C	415V	10kA	

APPLICATIONS








Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 60898-1 / SLS 1175
Protection	: Against overload and short circuit
Protected Poles	: All poles protected
Rated Voltage	: 4 pole - 415VAC
Rated Frequency	: 50/60Hz
Rated Current	: 6, 10, 16, 20, 32, 40, 63 A
Type of Trip	: Thermal/Magnetic release
Rated Service Short Circuit Capacity(Ics)	: 7.5kA
Temperature Limit	: -5 °C to +40 °C
Instantaneous Tripping Characteristics	: Type C
Degree of Protection	: IP20
Rated Impulse Withstand Voltage(Uimp)	: 4kV



Miniature Circuit Breaker (Type B)

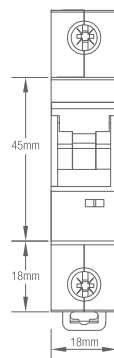
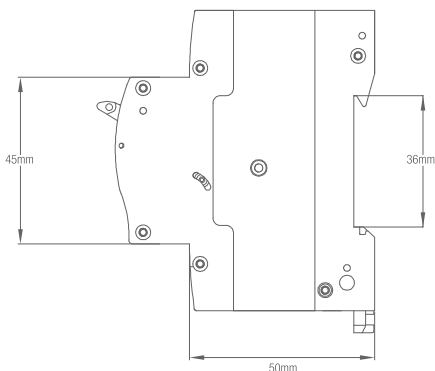
1 POLE MCB						
ITEM CODE	RATED CURRENT	NO. POLES	TYPE	RATED VOLTAGE	RATED SHORT CIRCUIT CAPACITY (Icn)	TOGGLE COLOR
470-4403	6A	1	B	240/415V	6kA	
470-4404	10A	1	B	240/415V	6kA	
470-4405	16A	1	B	240/415V	6kA	
470-4406	20A	1	B	240/415V	6kA	
470-4408	32A	1	B	240/415V	6kA	
470-4409	40A	1	B	240/415V	6kA	
470-4411	63A	1	B	240/415V	6kA	

APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 60898-1
Certification	: KEMA / CB
Protection	: Against overload and short circuit
Protected Poles	: All poles protected
Rated Voltage (Un)	: 1 pole - 240/415VAC
Rated Frequency	: 50/60Hz
Rated Current	: 6, 10, 16, 20, 32, 40, 63 A
Type of Trip	: Thermal/ Magnetic release
Rated Service Short Circuit Capacity(Ics)	: 6kA
Temperature Limit	: -5 °C to +40 °C
Instantaneous Tripping Characteristics	: Type B
Degree of Protection	: IP20
Rated Impulse withstand Voltage(Uimp)	: 4kV



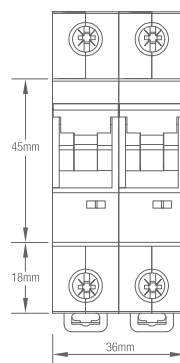
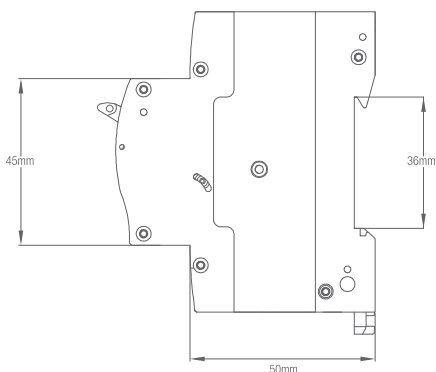
2 POLE MCB						
ITEM CODE	RATED CURRENT	NO. POLES	TYPE	RATED VOLTAGE	RATED SHORT CIRCUIT CAPACITY (Icn)	TOGGLE COLOR
470-4415	6A	2	B	415V	6kA	
470-4416	10A	2	B	415V	6kA	
470-4417	16A	2	B	415V	6kA	
470-4418	20A	2	B	415V	6kA	
470-4420	32A	2	B	415V	6kA	
470-4421	40A	2	B	415V	6kA	
470-4423	63A	2	B	415V	6kA	








APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 60898-1
Certification	: KEMA / CB
Protection	: Against overload and short circuit
Protected Poles	: All poles protected
Rated Voltage	: 2 pole - 415VAC
Rated Frequency	: 50/60Hz
Rated Current	: 6, 10, 16, 20, 32, 40, 63 A
Type of Trip	: Thermal/ Magnetic release
Rated Service Short Circuit Capacity(Ics)	: 6kA
Temperature Limit	: -5 °C to +40 °C
Instantaneous Tripping Characteristics	: Type B
Degree of Protection	: IP20
Rated Impulse withstand Voltage(Uimp)	: 4kV



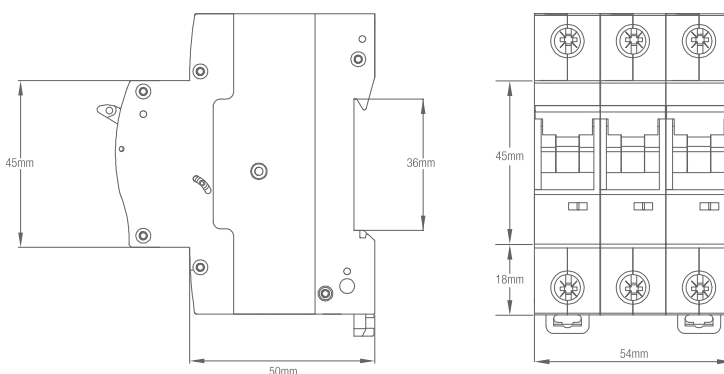
3 POLE MCB						
ITEM CODE	RATED CURRENT	NO. POLES	TYPE	RATED VOLTAGE	RATED SHORT CIRCUIT CAPACITY (Icn)	TOGGLE COLOR
470-4427	6A	3	B	415V	6kA	
470-4428	10A	3	B	415V	6kA	
470-4429	16A	3	B	415V	6kA	
470-4430	20A	3	B	415V	6kA	
470-4432	32A	3	B	415V	6kA	
470-4433	40A	3	B	415V	6kA	
470-4435	63A	3	B	415V	6kA	

APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 60898-1
Certification	: KEMA / CB
Protection	: Against overload and short circuit
Protected Poles	: All poles protected
Rated Voltage	: 3 pole - 415VAC
Rated Frequency	: 50/60Hz
Rated Current	: 6, 10, 16, 20, 32, 40, 63 A
Type of Trip	: Thermal/ Magnetic release
Rated Service Short Circuit Capacity(Ics)	: 6kA
Temperature Limit	: -5 °C to +40 °C
Instantaneous Tripping Characteristics	: Type B
Degree of Protection	: IP20
Rated Impulse withstand Voltage(Uimp)	: 4kV



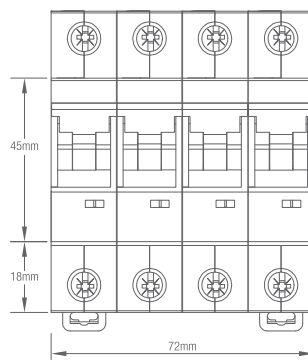
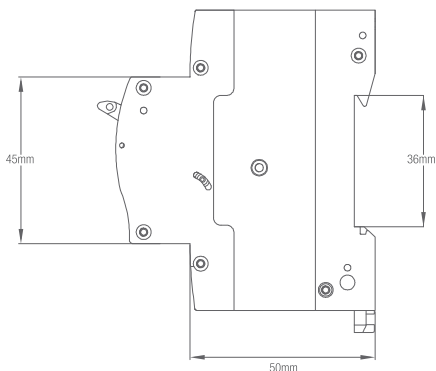
4 POLE MCB						
ITEM CODE	RATED CURRENT	NO. POLES	TYPE	RATED VOLTAGE	RATED SHORT CIRCUIT CAPACITY (Icn)	TOGGLE COLOR
470-4439	6A	4	B	415V	6kA	
470-4440	10A	4	B	415V	6kA	
470-4441	16A	4	B	415V	6kA	
470-4442	20A	4	B	415V	6kA	
470-4444	32A	4	B	415V	6kA	
470-4445	40A	4	B	415V	6kA	
470-4447	63A	4	B	415V	6kA	








APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

- Connection : Screw type terminals
- Method of Installation : Mounting on 35mm DIN rail
- Warranty Period : Lifetime warranty*
- Standard Complied : IEC 60898-1
- Certification : KEMA / CB
- Protection : Against overload and short circuit
- Protected Poles : All poles protected
- Rated Voltage : 4 pole - 415VAC
- Rated Frequency : 50/60Hz
- Rated Current : 6, 10, 16, 20, 32, 40, 63 A
- Type of Trip : Thermal/Magnetic release
- Rated Service Short Circuit Capacity(Ics) : 6kA
- Temperature Limit : -5 °C to +40 °C
- Instantaneous Tripping Characteristics : Type B
- Degree of Protection : IP20
- Rated Impulse Withstand Voltage(Uimp) : 4kV



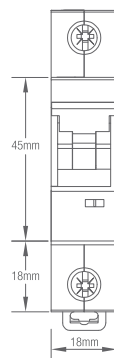
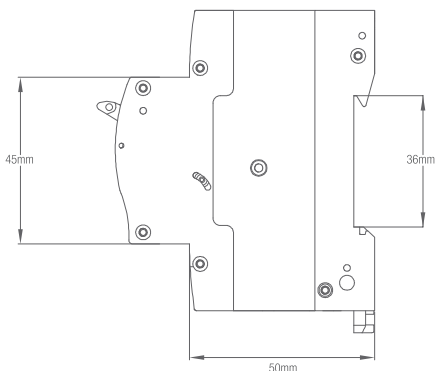
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ITEM CODE	RATED CURRENT	NO. POLES	TYPE	RATED VOLTAGE	RATED SHORT CIRCUIT CAPACITY (Icn)	TOGGLE COLOR
510-4403	6A	1	B	240/415V	10kA	
510-4404	10A	1	B	240/415V	10kA	
510-4405	16A	1	B	240/415V	10kA	
510-4406	20A	1	B	240/415V	10kA	
510-4408	32A	1	B	240/415V	10kA	
510-4409	40A	1	B	240/415V	10kA	
510-4411	63A	1	B	240/415V	10kA	

APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 60898-1
Protection	: Against overload and short circuit
Protected Poles	: All poles protected
Rated Voltage (Un)	: 1 pole - 240/415VAC
Rated Frequency	: 50/60Hz
Rated Current	: 6, 10, 16, 20, 32, 40, 63 A
Type of Trip	: Thermal/ Magnetic release
Rated Service Short Circuit Capacity(Ics)	: 7.5kA
Temperature Limit	: -5 °C to +40 °C
Instantaneous Tripping Characteristics	: Type B
Degree of Protection	: IP20
Rated Impulse withstand Voltage(Uimp)	: 4kV



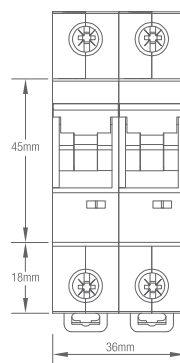
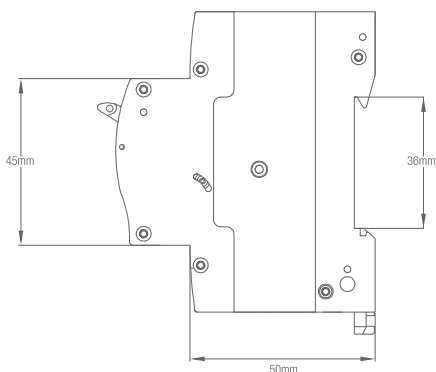
2 POLE MCB						
ITEM CODE	RATED CURRENT	NO. POLES	TYPE	RATED VOLTAGE	RATED SHORT CIRCUIT CAPACITY (Icn)	TOGGLE COLOR
510-4415	6A	2	B	415V	10kA	
510-4416	10A	2	B	415V	10kA	
510-4417	16A	2	B	415V	10kA	
510-4418	20A	2	B	415V	10kA	
510-4420	32A	2	B	415V	10kA	
510-4421	40A	2	B	415V	10kA	
510-4423	63A	2	B	415V	10kA	








APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 60898-1
Protection	: Against overload and short circuit
Protected Poles	: All poles protected
Rated Voltage	: 2 pole - 415VAC
Rated Frequency	: 50/60Hz
Rated Current	: 6, 10, 16, 20, 32, 40, 63 A
Type of Trip	: Thermal/ Magnetic release
Rated Service Short Circuit Capacity(Ics)	: 7.5kA
Temperature Limit	: -5 °C to +40 °C
Instantaneous Tripping Characteristics	: Type B
Degree of Protection	: IP20
Rated Impulse withstand Voltage(Uimp)	: 4kV



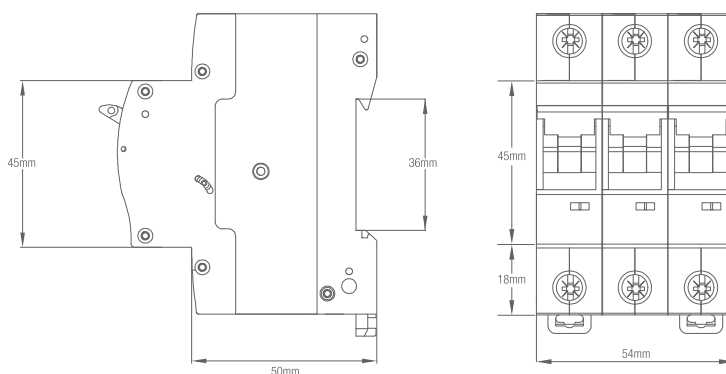
3 POLE MCB						
ITEM CODE	RATED CURRENT	NO. POLES	TYPE	RATED VOLTAGE	RATED SHORT CIRCUIT CAPACITY (Icn)	TOGGLE COLOR
510-4427	6A	3	B	415V	10kA	
510-4428	10A	3	B	415V	10kA	
510-4429	16A	3	B	415V	10kA	
510-4430	20A	3	B	415V	10kA	
510-4432	32A	3	B	415V	10kA	
510-4433	40A	3	B	415V	10kA	
510-4435	63A	3	B	415V	10kA	

APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 60898-1
Protection	: Against overload and short circuit
Protected Poles	: All poles protected
Rated Voltage	: 3 pole - 415VAC
Rated Frequency	: 50/60Hz
Rated Current	: 6, 10, 16, 20, 32, 40, 63 A
Type of Trip	: Thermal/ Magnetic release
Rated Service Short Circuit Capacity(Ics)	: 7.5kA
Temperature Limit	: -5 °C to +40 °C
Instantaneous Tripping Characteristics	: Type B
Degree of Protection	: IP20
Rated Impulse withstand Voltage(Uimp)	: 4kV



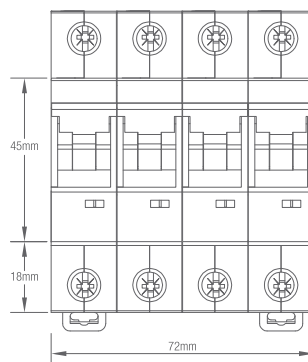
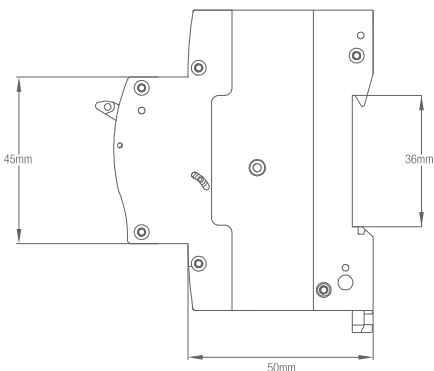
4 POLE MCB						
ITEM CODE	RATED CURRENT	NO. POLES	TYPE	RATED VOLTAGE	RATED SHORT CIRCUIT CAPACITY (Icn)	TOGGLE COLOR
510-4439	6A	4	B	415V	10kA	
510-4440	10A	4	B	415V	10kA	
510-4441	16A	4	B	415V	10kA	
510-4442	20A	4	B	415V	10kA	
510-4444	32A	4	B	415V	10kA	
510-4445	40A	4	B	415V	10kA	
510-4447	63A	4	B	415V	10kA	

APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

- Connection : Screw type terminals
- Method of Installation : Mounting on 35mm DIN rail
- Warranty Period : Lifetime warranty*
- Standard Complied : IEC 60898-1
- Protection : Against overload and short circuit
- Protected Poles : All poles protected
- Rated Voltage : 4 pole - 415VAC
- Rated Frequency : 50/60Hz
- Rated Current : 6, 10, 16, 20, 32, 40, 63 A
- Type of Trip : Thermal/Magnetic release
- Rated Service Short Circuit Capacity(Ics) : 7.5kA
- Temperature Limit : -5 °C to +40 °C
- Instantaneous Tripping Characteristics : Type B
- Degree of Protection : IP20
- Rated Impulse Withstand Voltage(Uimp) : 4kV



Residual Current Circuit Breaker

1P + N RCCB				
ITEM CODE	RATED CURRENT	NO. POLES	RATED VOLTAGE	RATED RESIDUAL OPERATING CURRENT
471-4001	40A	1P+N	230V	30mA
471-4002	40A	1P+N	230V	100mA
471-4004	63A	1P+N	230V	30mA
471-4005	63A	1P+N	230V	100mA

APPLICATIONS

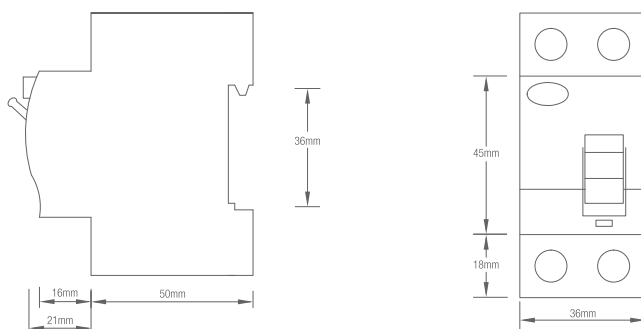
Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 61008-1
Certification	: CB, KEMA
Rated Voltage (Un)	: 230VAC (1P + N)
Rated Frequency	: 50Hz
Rated Current (In)	: 40, 63A
Time Delay	: Without time delay
Rated Residual Current (IΔn)	: 30, 100mA for 40A & 63A
Rated Conditional Short Circuit Current (Inc)	: 10kA
Rated Conditional Residual Short Circuit Current (IΔc)	: 10kA
Rated Making and Breaking Capacity (Im)	: 500A or 10 In whichever is greater
Rated Residual Making and Breaking Capacity (IΔm)	: 500A or 10 In whichever is greater
Operating Characteristic in presence of Residual Current with d.c Components	: Type AC
Ambient Temperature Limit	: -25 °C to +40 °C



RCCB Rating (A)	MCB Rating			
	32A	40A	63A	100A
40	✓	✓		
63			✓	
100				✓



3P + N RCCB				
ITEM CODE	RATED CURRENT	NO. POLES	RATED VOLTAGE	RATED RESIDUAL OPERATING CURRENT
471-4007	40A	3P+N	400V	30mA
471-4008	40A	3P+N	400V	100mA
471-4010	63A	3P+N	400V	30mA
471-4011	63A	3P+N	400V	100mA
471-4012	63A	3P+N	400V	300mA

APPLICATIONS

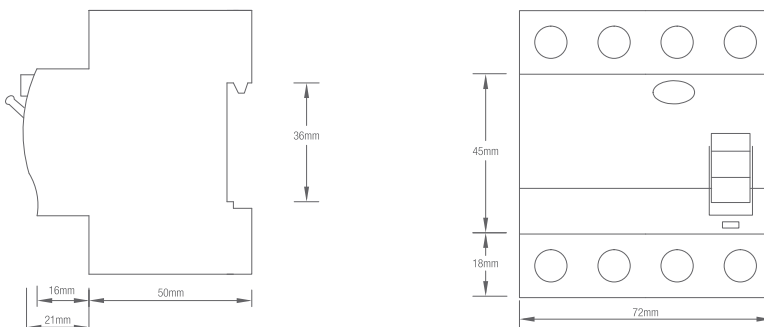
Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 61008-1
Certification	: CB, KEMA
Rated Voltage (Un)	: 400VAC (3P + N)
Rated Frequency	: 50Hz
Rated Current (In)	: 40, 63A
Time Delay	: Without time delay
Rated Residual Current (IΔn)	: 30, 100mA for 40A & 30, 100, 300mA for 63A
Rated Conditional Short Circuit Current (Inc)	: 10kA
Rated Conditional Residual Short Circuit Current (IΔc)	: 10kA
Rated Making and Breaking Capacity (Im)	: 500A or 10 In whichever is greater
Rated Residual Making and Breaking Capacity (IΔm)	: 500A or 10 In whichever is greater
Operating Characteristic in Presence of Residual Current with d.c Components	: Type AC
Ambient Temperature Limit	: -25 °C to +40 °C



OVER LOAD & SHORT CIRCUIT PROTECTION DEVICES FOR RCCB				
RCCB Rating (A)	MCB Rating			
	32A	40A	63A	100A
40	✓	✓		
63			✓	
100				✓



Isolator

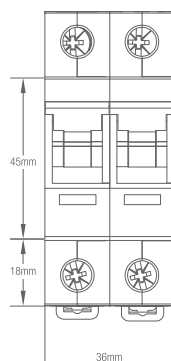
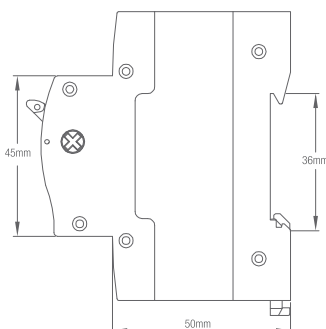
2 POLE ISOLATOR			
ITEM CODE	RATED CURRENT	NO.POLES	RATED VOLTAGE
472-4001	40A	2	230/400V
472-4002	63A	2	230/400V

APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 60947-3
Suitability for Isolation	: Suitable
Utilization Category	: AC-22A
Kind of Current	: a.c.
Rated Frequency	: 50Hz
Rated Operational Voltage (Ue)	: 230/400VAC - (2P)
Rated Insulation Voltage (Ui)	: 690V
Rated Impulse withstand Voltage (Uimp)	: 6kV
Rated Operational Current (Ie)	: 40, 63A
Conventional Free Air Thermal Current(Ith)	: 40, 63A
Rated Uninterrupted Current (Iu)	: 40, 63A
Rated Short Time withstand Current (Icw)	: 12Ie, 1s
Rated Short Circuit Making Capacity (Icm)	: 20 Ie
Degree of Protection	: IP20
Temperature Limit	: -5 °C to +40 °C



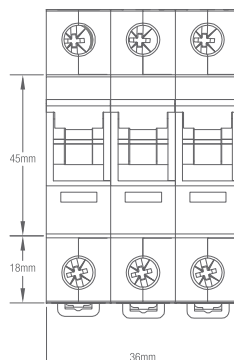
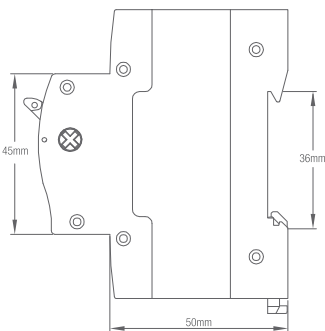
3 POLE ISOLATOR			
ITEM CODE	RATED CURRENT	NO.POLES	RATED VOLTAGE
472-4004	40A	3	400V
472-4005	63A	3	400V

APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 60947-3
Suitability for Isolation	: Suitable
Utilization Category	: AC-22A
Kind of Current	: a.c.
Rated Frequency	: 50Hz
Rated Operational Voltage (Ue)	: 400VAC - (3P)
Rated Insulation Voltage (Ui)	: 690V
Rated Impulse withstand Voltage (Uimp)	: 6kV
Rated Operational Current (Ie)	: 40, 63A
Conventional Free Air Thermal Current(Ith)	: 40, 63A
Rated Uninterrupted Current (Iu)	: 40, 63A
Rated Short Time withstand Current (Icw)	: 12Ie, 1s
Rated Short Circuit Making Capacity (Icm)	: 20 Ie
Degree of Protection	: IP20
Temperature Limit	: -5 °C to +40 °C



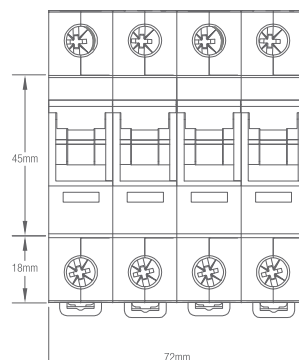
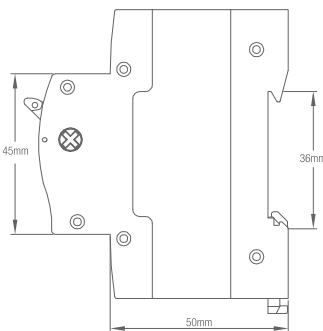
4 POLE ISOLATOR			
ITEM CODE	RATED CURRENT	NO.POLES	RATED VOLTAGE
472-4007	40A	4	400V
472-4008	63A	4	400V

APPLICATIONS

Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 60947-3
Suitability for Isolation	: Suitable
Utilization Category	: AC-22A
Kind of Current	: a.c.
Rated Frequency	: 50Hz
Rated Operational Voltage (Ue)	: 400VAC - (4P)
Rated Insulation Voltage (Ui)	: 690V
Rated Impulse withstand Voltage (Uimp)	: 6kV
Rated Operational Current (Ie)	: 40, 63A
Conventional Free Air Thermal Current(Ith)	: 40, 63A
Rated Uninterrupted Current (Iu)	: 40, 63A
Rated Short Time withstand Current (Icw)	: 12Ie, 1s
Rated Short Circuit Making Capacity (Icm)	: 20 Ie
Degree of Protection	: IP20
Temperature Limit	: -5 °C to +40 °C



MCB Type LED Indicator

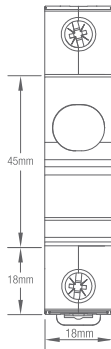
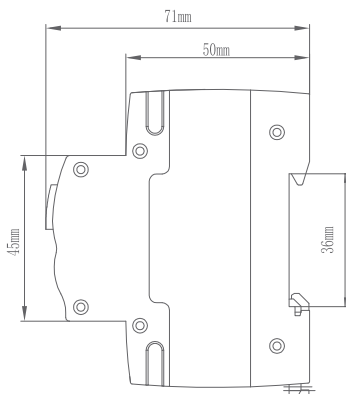
MCB Type LED Indicator				
ITEM CODE	DESCRIPTION	OPERATIONAL VOLTAGE	ILLUMINATION	COLOR
474-0001	MCB type with LED Indicator - Green	230VAC	LED	
474-0002	MCB type with LED Indicator - Red	230VAC	LED	
474-0003	MCB type with LED Indicator - Blue	230VAC	LED	
474-0004	MCB type with LED Indicator - Yellow	230VAC	LED	
474-0005	MCB type with LED Indicator - White	230VAC	LED	

APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Operational Voltage	: 230VAC 50/60Hz
Rated Insulation Voltage Ui	: 500V
Illumination	: LED
Life	: 30000h
Ambient Temperature (°C)	: -5~+40,max.95% humidity
Storage Temperature (°C)	: -40~+75
Connection Capacity (mm ²)	: 1-16
Color	: Green,Red,Yellow,Blue,White
Protection Degree	: IP20
Mounting	: 35mm DIN Rail



Surge Protection Device

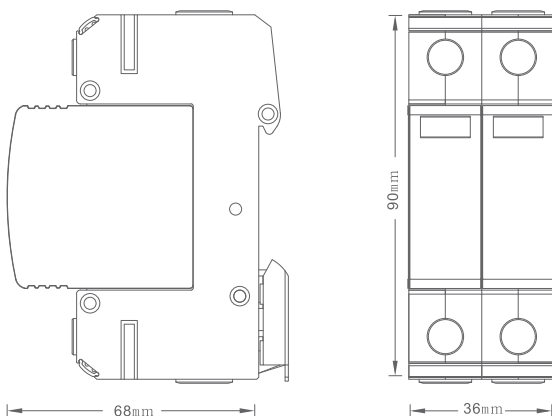
1P+N SURGE PROTECTION DEVICE			
ITEM CODE	DESCRIPTION	NO. POLES	RATED VOLTAGE
517-1021	1P+N SPD In20kA I _{max} 40kA U _c 320V U _p 1.5kV	1P+N	230V

APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: 6 Months warranty*
Standard Complied	: IEC 61643-11
Type	: 2
Continuous Operating Voltage (U _c)	: 320V
Protection Level (U _p)	: <1.5kV
Nominal Discharge Current I _n (8/20μs)	: 20kA
Maximum Discharge Current I _n (8/20μs)	: 40kA
Response time (ns)	: <25
Ground System	: TT/TN
Environmental Rating	: 40 to + 85 °C
Relative Humidity	: <95% 25 °C
Environmental Rating	: IP20







The Best
Protection
From Electrical
Fires caused
by arc faults.

10kA

Miniature Circuit Breaker

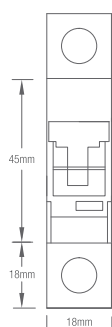
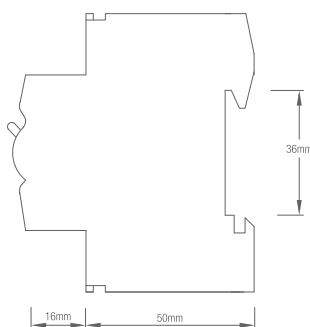
1 POLE MCB						
ITEM CODE	RATED CURRENT	NO. POLES	TYPE	RATED VOLTAGE	RATED SHORT CIRCUIT CAPACITY (Icn)	TOGGLE COLOR
510-1001	2A	1	C	240/415V	10kA	
510-1002	6A	1	C	240/415V	10kA	
510-1003	10A	1	C	240/415V	10kA	
510-1004	16A	1	C	240/415V	10kA	
510-1005	20A	1	C	240/415V	10kA	
510-1006	25A	1	C	240/415V	10kA	
510-1007	32A	1	C	240/415V	10kA	
510-1008	40A	1	C	240/415V	10kA	
510-1010	63A	1	C	240/415V	10kA	









APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 60898-1 / SLS 1175
Certification	: SLS / ISI / KEMA / CB
Protection	: Against overload and short circuit
Protected Poles	: All poles protected
Rated Voltage	: 1 pole - 240/415VAC
Rated Frequency	: 50/60Hz
Rated Current	: 2, 6, 10, 16, 20, 25, 32, 40, 63 A
Type of Trip	: Thermal/ Magnetic release
Rated Service Short Circuit Capacity(Ics)	: 7.5kA
Temperature Limit	: -5 °C to +40 °C
Instantaneous Tripping Characteristics	: Type C
Degree of Protection	: IP20
Rated Impulse withstand Voltage(Uimp)	: 4kV



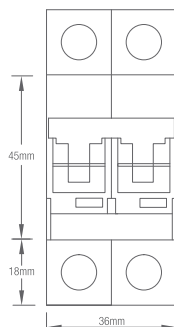
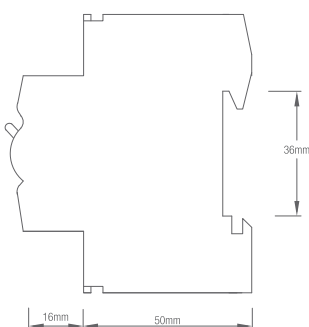
2 POLE MCB						
ITEM CODE	RATED CURRENT	NO. POLES	TYPE	RATED VOLTAGE	RATED SHORT CIRCUIT CAPACITY (Icn)	TOGGLE COLOR
510-1011	6A	2	C	415V	10kA	
510-1012	10A	2	C	415V	10kA	
510-1013	16A	2	C	415V	10kA	
510-1014	20A	2	C	415V	10kA	
510-1015	25A	2	C	415V	10kA	
510-1016	32A	2	C	415V	10kA	
510-1017	40A	2	C	415V	10kA	
510-1019	63A	2	C	415V	10kA	









APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 60898-1 / SLS 1175
Certification	: SLS / ISI / KEMA / CB
Protection	: Against overload and short circuit
Protected Poles	: All poles protected
Rated Voltage	: 2 pole - 415VAC
Rated Frequency	: 50/60Hz
Rated Current	: 6, 10, 16, 20, 25, 32, 40, 63 A
Type of Trip	: Thermal/ Magnetic release
Rated Service Short Circuit Capacity(Ics)	: 7.5kA
Temperature Limit	: -5 °C to +40 °C
Instantaneous Tripping Characteristics	: Type C
Degree of Protection	: IP20
Rated Impulse withstand Voltage(Uimp)	: 4kV



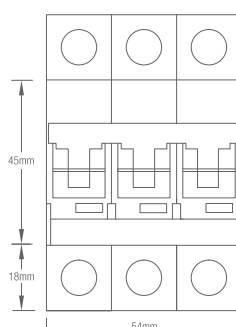
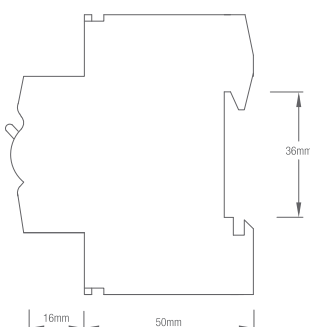
3 POLE MCB						
ITEM CODE	RATED CURRENT	NO. POLES	TYPE	RATED VOLTAGE	RATED SHORT CIRCUIT CAPACITY (Icn)	TOGGLE COLOR
510-1020	6A	3	C	415V	10kA	
510-1021	10A	3	C	415V	10kA	
510-1022	16A	3	C	415V	10kA	
510-1023	20A	3	C	415V	10kA	
510-1024	25A	3	C	415V	10kA	
510-1025	32A	3	C	415V	10kA	
510-1026	40A	3	C	415V	10kA	
510-1028	63A	3	C	415V	10kA	









APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 60898-1 / SLS 1175
Certification	: SLS / ISI / KEMA / CB
Protection	: Against overload and short circuit
Protected Poles	: All poles protected
Rated Voltage	: 3 pole - 415VAC
Rated Frequency	: 50/60Hz
Rated Current	: 6, 10, 16, 20, 25, 32, 40, 63 A
Type of Trip	: Thermal/ Magnetic release
Rated Service Short Circuit Capacity(Ics)	: 7.5kA
Temperature Limit	: -5 °C to +40 °C
Instantaneous Tripping Characteristics	: Type C
Degree of Protection	: IP20
Rated Impulse withstand Voltage(Uimp)	: 4kV



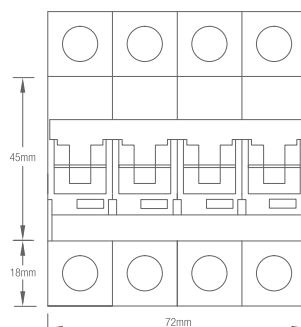
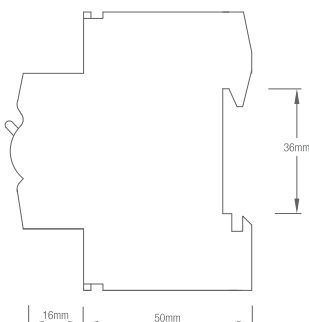
4 POLE MCB						
ITEM CODE	RATED CURRENT	NO. POLES	TYPE	RATED VOLTAGE	RATED SHORT CIRCUIT CAPACITY (Icn)	TOGGLE COLOR
510-1029	6A	4	C	415V	10kA	
510-1030	10A	4	C	415V	10kA	
510-1031	16A	4	C	415V	10kA	
510-1032	20A	4	C	415V	10kA	
510-1033	25A	4	C	415V	10kA	
510-1034	32A	4	C	415V	10kA	
510-1035	40A	4	C	415V	10kA	
510-1037	63A	4	C	415V	10kA	

APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 60898-1 / SLS 1175
Certification	: SLS / ISI / KEMA / CB
Protection	: Against overload and short circuit
Protected Poles	: All poles protected
Rated Voltage	: 4 pole - 415VAC
Rated Frequency	: 50/60Hz
Rated Current	: 6, 10, 16, 20, 25, 32, 40, 63 A
Type of Trip	: Thermal/ Magnetic release
Rated Service Short Circuit Capacity(Ics)	: 7.5kA
Temperature Limit	: -5 °C to +40 °C
Instantaneous Tripping Characteristics	: Type C
Degree of Protection	: IP20
Rated Impulse withstand Voltage(Uimp)	: 4kV



Residual Current Circuit Breaker

1P + N RCCB				
ITEM CODE	RATED CURRENT	NO. POLES	RATED VOLTAGE	RATED RESIDUAL OPERATING CURRENT
512-2001	40A	1P+N	240V	30mA
512-2002	40A	1P+N	240V	100mA
512-2003	40A	1P+N	240V	300mA
512-2004	63A	1P+N	240V	30mA
512-2005	63A	1P+N	240V	100mA
512-2006	63A	1P+N	240V	300mA

APPLICATIONS

Industrial/Residential/Hotel/General Purpose

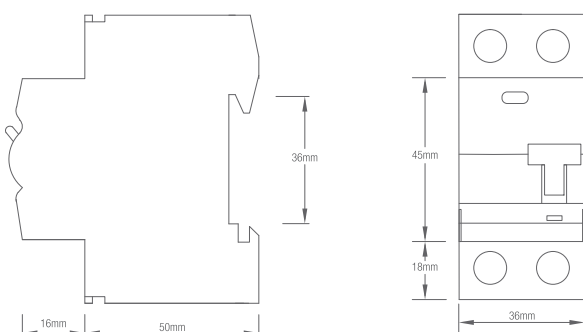
PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 61008-1
Certification	: KEMA
Rated Voltage	: 240VAC (1P + N)
Rated Frequency	: 50Hz
Rated Current (In)	: 40, 63A
Time Delay	: Without time delay
Rated Residual Current (I Δ n)	: 30, 100, 300mA
Rated Conditional Short Circuit Current(I nc)	: 10kA
Rated Conditional Residual Short Circuit Current (I Δ c)	: 10kA
Rated Making and Breaking Capacity(I m)	: 500A or 10 In whichever is greater
Rated Residual Making and Breaking Capacity(I Δ m)	: 500A or 10 In whichever is greater
Operating Characteristic in Presence of Residual Current with d.c Components	: Type AC
Ambient Temperature Limit	: -25 °C to +40 °C



OVER LOAD & SHORT CIRCUIT PROTECTION DEVICES FOR RCCB

RCCB Rating (A)	MCB Rating			
	32A	40A	63A	100A
40	✓	✓		
63			✓	
100				✓



3P + N RCCB				
ITEM CODE	RATED CURRENT	NO. POLES	RATED VOLTAGE	RATED RESIDUAL OPERATING CURRENT
512-2007	40A	3P+N	415V	30mA
512-2008	40A	3P+N	415V	100mA
512-2009	40A	3P+N	415V	300mA
512-2010	63A	3P+N	415V	30mA
512-2011	63A	3P+N	415V	100mA
512-2012	63A	3P+N	415V	300mA
512-2013	100A	3P+N	415V	30mA
512-2014	100A	3P+N	415V	100mA
512-2015	100A	3P+N	415V	300mA

APPLICATIONS

Industrial/Residential/Hotel/General Purpose

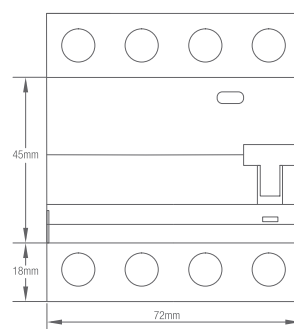
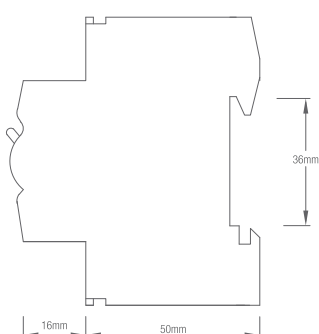
PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 61008-1
Certification	: KEMA
Rated Voltage	: 415VAC (3P + N)
Rated Frequency	: 50Hz
Rated Current (In)	: 40, 63, 100A
Time Delay	: Without time delay
Rated Residual Current (IΔn)	: 30, 100, 300mA
Rated Conditional Short Circuit Current(I _{nc})	: 10kA
Rated Conditional Residual Short Circuit Current (IΔc)	: 10kA
Rated Making and Breaking Capacity(I _m)	: 500A or 10 In whichever is greater
Rated Residual Making and Breaking Capacity(IΔ _m)	: 500A or 10 In whichever is greater
Operating Characteristic in Presence of Residual Current with d.c Components	: Type AC
Ambient Temperature Limit	: -25 °C to +40 °C



OVER LOAD & SHORT CIRCUIT PROTECTION DEVICES FOR RCCB

RCCB Rating (A)	MCB Rating			
	32A	40A	63A	100A
40	✓	✓		
63			✓	
100				✓



*Terms & Conditions Applied

Isolator

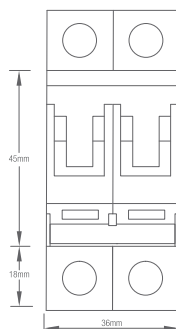
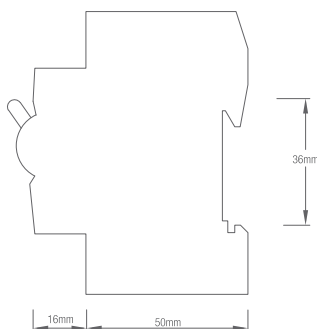
2 POLE ISOLATOR			
ITEM CODE	RATED CURRENT	NO.POLES	RATED VOLTAGE
513-2001	40A	2	230/400V
513-2002	63A	2	230/400V
513-2003	100A	2	230/400V

APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 60947-3
Suitability for Isolation	: Suitable
Utilization Category	: AC-22A
Kind of Current	: a.c.
Rated Frequency	: 50Hz
Rated Operational Voltage (Ue)	: 230/400VAC - (2P)
Rated Insulation Voltage (Ui)	: 690V
Rated Impulse withstand Voltage (Uimp)	: 6kV
Rated Operational Current (Ie)	: 40, 63, 100A
Conventional Free Air Thermal Current(Ith)	: 40, 63, 100A
Rated Uninterrupted Current (Iu)	: 40, 63, 100A
Rated Short Time withstand Current (Icw)	: 12Ie, 1s
Rated Short Circuit Making Capacity (Icm)	: 20 Ie
Degree of Protection	: IP 20
Temperature Limit	: -25 °C to + 40 °C



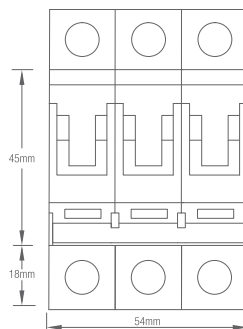
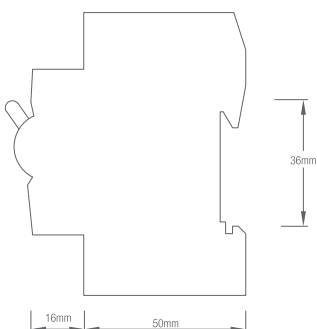
3 POLE ISOLATOR			
ITEM CODE	RATED CURRENT	NO.POLES	RATED VOLTAGE
513-2004	40A	3	400V
513-2005	63A	3	400V
513-2006	100A	3	400V

APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 60947-3
Suitability for Isolation	: Suitable
Utilization Category	: AC-22A
Kind of Current	: a.c.
Rated Frequency	: 50Hz
Rated Operational Voltage (Ue)	: 400VAC - (3P)
Rated Insulation Voltage (Ui)	: 690V
Rated Impulse withstand Voltage (Uimp)	: 6kV
Rated Operational Current (Ie)	: 40, 63, 100A
Conventional Free Air Thermal Current(Ith)	: 40, 63, 100A
Rated Uninterrupted Current (Iu)	: 40, 63, 100A
Rated Short Time withstand Current (Icw)	: 12Ie, 1s
Rated Short Circuit Making Capacity (Icm)	: 20 Ie
Degree of Protection	: IP 20
Temperature Limit	: -25 °C to + 40 °C



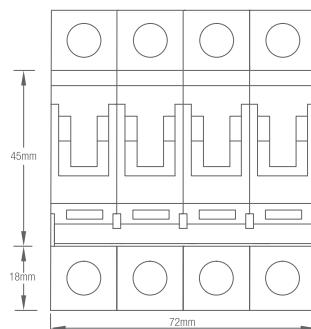
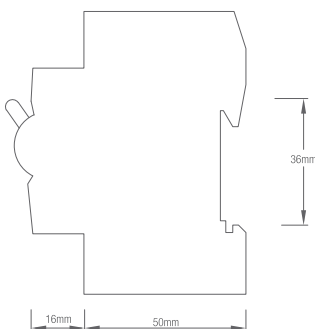
4 POLE ISOLATOR			
ITEM CODE	RATED CURRENT	NO.POLES	RATED VOLTAGE
513-2007	40A	4	400V
513-2008	63A	4	400V
513-2009	100A	4	400V

APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: Lifetime warranty*
Standard Complied	: IEC 60947-3
Suitability for Isolation	: Suitable
Utilization Category	: AC-22A
Kind of Current	: a.c.
Rated Frequency	: 50Hz
Rated Operational Voltage (Ue)	: 400VAC - (4P)
Rated Insulation Voltage (Ui)	: 690V
Rated Impulse withstand Voltage (Uimp)	: 6kV
Rated Operational Current (Ie)	: 40, 63, 100A
Conventional Free Air Thermal Current(Ith)	: 40, 63, 100A
Rated Uninterrupted Current (Iu)	: 40, 63, 100A
Rated Short Time withstand Current (Icw)	: 12Ie, 1s
Rated Short Circuit Making Capacity (Icm)	: 20 Ie
Degree of Protection	: IP 20
Temperature Limit	: -25 °C to + 40 °C



Industrial Surge Protection Device

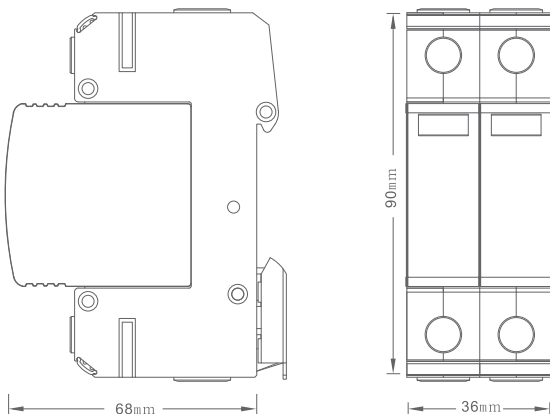
1P+N SURGE PROTECTION DEVICE			
ITEM CODE	DESCRIPTION	NO. POLES	RATED VOLTAGE
517-1068	1P+N SPD In30kA I _{max} 60kA U _c 385V U _p 2.0kV	1P+N	230V

APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: 6 Months warranty*
Standard Complied	: IEC 61643-11
Type	: 2
Continuous Operating Voltage (U _c)	: 385V
Protection Level (U _p)	: <2.0kV
Nominal Discharge Current I _n (8/20μs)	: 30kA
Maximum Discharge Current I _m (8/20μs)	: 60kA
Response time (ns)	: <25
Ground System	: TT/TN
Environmental Rating	: 40 to + 85 °C
Relative Humidity	: <95% 25 °C
Environmental Rating	: IP20



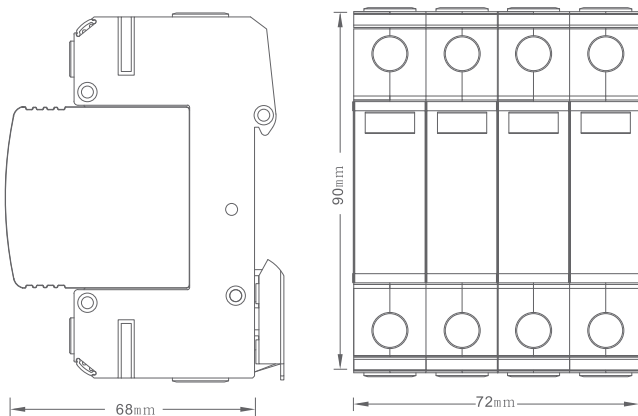
3P+N SURGE PROTECTION DEVICE			
ITEM CODE	DESCRIPTION	NO. POLES	RATED VOLTAGE
517-1053	3P+N SPD In20kA I _{max} 40kA U _c 320V U _p 1.5kV	3P+N	400V

APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: 6 Months warranty*
Standard Complied	: IEC 61643-11
Type	: 2
Continuous Operating Voltage (U _c)	: 320V
Protection Level (U _p)	: <1.5kV
Nominal Discharge Current I _n (8/20μs)	: 20kA
Maximum Discharge Current I _n (8/20μs)	: 40kA
Response time (ns)	: <25
Ground System	: TT/TN
Environmental Rating	: 40 to + 85 °C
Relative Humidity	: <95% 25 °C
Environmental Rating	: IP20



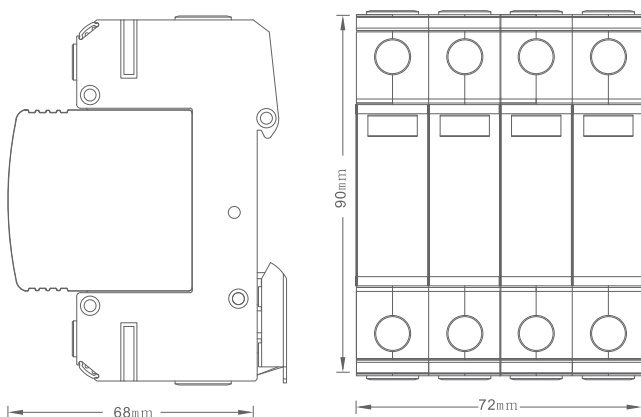
3P+N SURGE PROTECTION DEVICE			
ITEM CODE	DESCRIPTION	NO.POLES	RATED VOLTAGE
517-1076	3P+N SPD In30kA I _{max} 60kA U _c 385V U _p 2.0kV	3P+N	400V

APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: 6 Months warranty*
Standard Complied	: IEC 61643-11
Type	: 2
Continous Operating Voltage (U _c)	: 385V
Protection Level (U _p)	: <2.0kV
Nominal Discharge Current I _n (8/20μs)	: 30kA
Maximum Discharge Current I _n (8/20μs)	: 60kA
Response time (ns)	: <25
Ground System	: TT/TN
Environmental Rating	: 40 to + 85 °C
Relative Humidity	: <95% 25 °C
Environmental Rating	: IP20



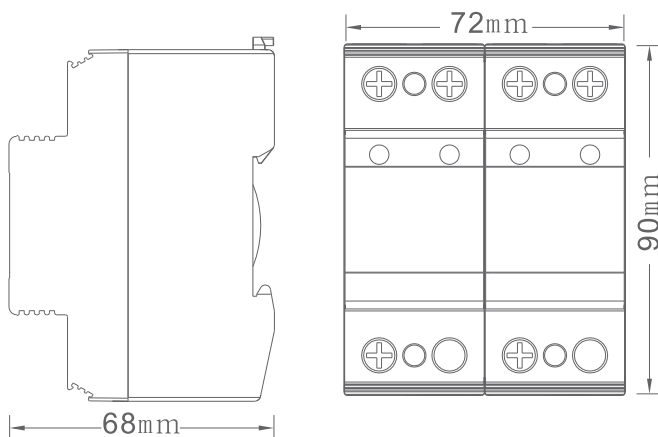
3P+N SURGE PROTECTION DEVICE			
ITEM CODE	DESCRIPTION	NO. POLES	RATED VOLTAGE
517-1092	3P+N SPD In60kA I _{max} 100kA U _c 385V U _p 2.3kV	3P+N	400V

APPLICATIONS

Industrial/Residential/Hotel/General Purpose

PRODUCT SPECIFICATIONS

Connection	: Screw type terminals
Method of Installation	: Mounting on 35mm DIN rail
Warranty Period	: 6 Months warranty*
Standard Complied	: IEC 61643-11
Type	: 2
Continuous Operating Voltage (U _c)	: 385V
Protection Level (U _p)	: <2.3kV
Nominal Discharge Current I _n (8/20μs)	: 60kA
Maximum Discharge Current I _m (8/20μs)	: 100kA
Response time (ns)	: <25
Ground System	: TT/TN
Environmental Rating	: 40 to + 85 °C
Relative Humidity	: <95% 25 °C
Environmental Rating	: IP20



OREL



Orel Regional Offices



Export Distributor Points

We are in **29 countries**,
employing **3685 personnel**,
empowering **59000 business partners**
across **6 continents**



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