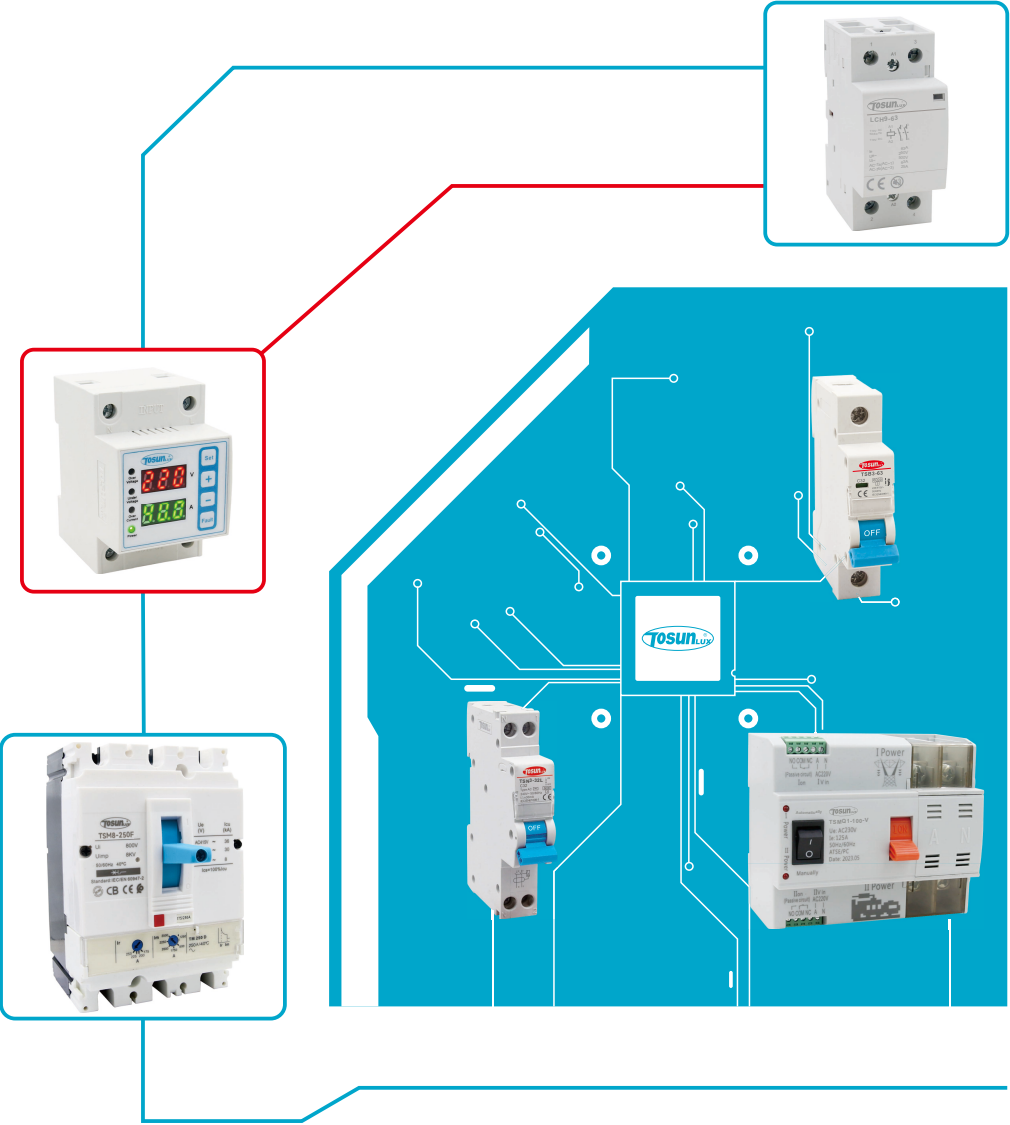




Power Distribution System



Tosun[®]LUX Trusted Brand in 93 Countries

 Add: Birnbaumsmühle 65, 15234 Frankfurt Oder, Germany
 **Factory Add:** Yangwen Industrial Zone, Wenzhou, Zhejiang Province, China
Office Add: Room No.1001, Fortune Center, Station Road, Wenzhou, China
E-mail:ceo@tosun.com
Http:://www.tosunlux.eu

Distributor

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TSB3-63 Miniature Circuit Breaker

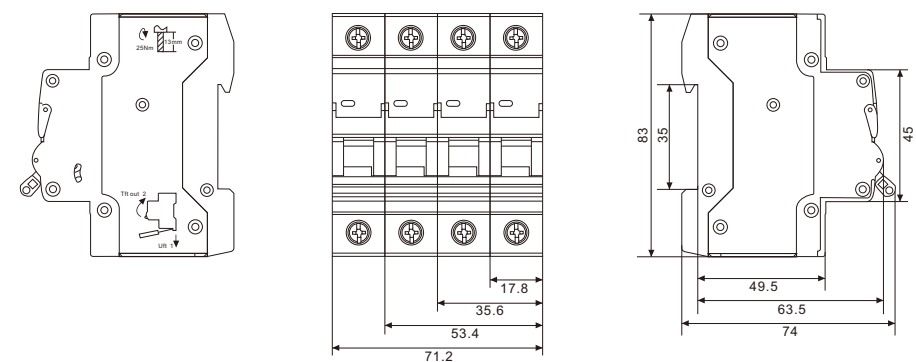
Application

TSB3-63 series MCB with 4.5/6kA breaking capacity makes ideal for commercial and industrial applications. The products comply with IEC60898-1.

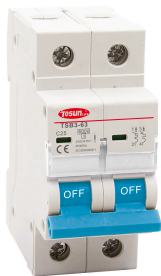
Specification

Number of Poles	1P, 2P, 3P, 4P
Rated Current	1A, 2A, 3A, 4A, 5A, 6A, 8A, 10A, 13A, 16A, 20A, 25A, 32A, 40A, 50A, 63A
Rated Operational Voltage	1P: 240/415V~ 2P, 3P, 4P: 415V~
Trip Unit Technology	Thermal-magnetic
Curve Code	B, C, D
Rated short-circuit capacity Icn:(A)	6000A for In 6A to 40A 4500A for In 50A 63A
Rated Insulation Voltage (Ui)	AC 415V~
Rated Impulse Withstand Voltage (Uimp)	4000V
Mechanical Durability	10000 cycles
Electrical Durability	4000 cycles
Tightening Torque	M5 2.5N.m II
IP Degree of Protection	IP20 conforming to IEC 60529 IP40(modular enclosure) conforming to IEC 60529
Ambient Air Temperature for Operation	-5°C~40°C
EU RoHS Directive	Compliant EU RoHS Declaration
Pollution Degree	2 conforming to IEC/EN 60898-1
Upper Wiring	
Lower Wiring	

Dimensions



TSB3-63 1P



TSB3-63 2P



TSB3-63 3P



TSB4-63 Miniature Circuit Breaker

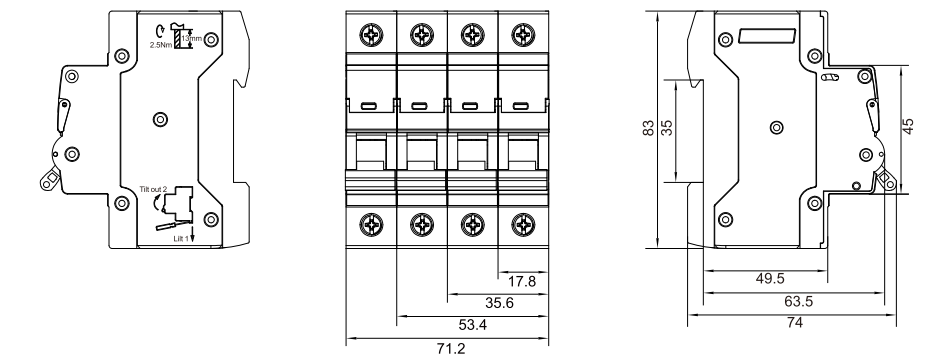
Application

TSB4-63 series MCB is high performance current limiting device with the ability to disconnect short circuits up to 6/10kA. Thermal trip unit is for normal overload protection and magnetic trip unit is for short circuit protection. The products comply with IEC60898-1 or IEC60947-2.

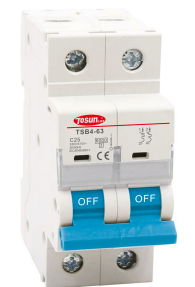
Specification

Number of Poles	1P, 2P, 3P, 4P
Rated Current	1A, 2A, 3A, 4A, 5A, 6A, 8A, 10A, 13A, 16A, 20A, 25A, 32A, 40A, 50A, 63A
Rated Operational Voltage	1P: 240/415V~ 2P, 3P, 4P: 415V~
Trip Unit Technology	Thermal-magnetic
Curve Code	B, C, D
Breaking Capacity	6000A or 10000A
Rated Insulation Voltage (Ui)	AC 500V~
Rated Impulse Withstand Voltage (Uimp)	4000V
Mechanical Durability	10000 cycles
Electrical Durability	4000 cycles
Tightening Torque	M5 2.5N.m II
IP Degree of Protection	IP20 conforming to IEC 60529 IP40(modular enclosure) conforming to IEC 60529
Ambient Air Temperature for Operation	-5°C~40°C
EU RoHS Directive	Compliant EU RoHS Declaration
Pollution Degree	2 conforming to IEC/EN 60898-1
Upper Wiring	
Lower Wiring	

Dimensions



TSB4-63 1P



TSB4-63 2P



TSB4-63 3P



TSN3-32 Miniature Circuit Breaker



TSN3-32

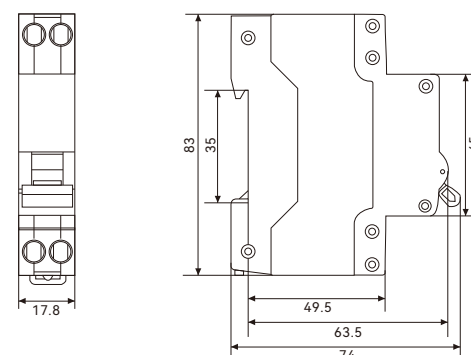
Application

TSN3-32 series MCB is an extensive range of DIN rail mounted, phase-neutral miniature circuit breaker. Boasting exclusive features, they provide absolute protection to circuits against short-circuit currents and overload currents in both residential and small building applications.

Specification

Number of Poles	1P+N
Rated Current	1A, 2A, 3A, 4A, 5A, 6A, 10A, 16A, 20A, 25A, 32A,
Rated Operational Voltage	230V/240V~
Trip Unit Technology	Thermal-magnetic
Curve Code	B, C, D
Standards	IEC/EN 60898-1
Breaking Capacity	I _{cn} =I _{cs} =3000A
Rated Insulation Voltage (U _i)	AC 415V
Rated Impulse Withstand Voltage (U _{imp})	4000V
Mechanical Durability	10000 cycles
Electrical Durability	4000 cycles
Tightening Torque	M4 2N.m II
IP Degree of Protection	IP20 conforming to IEC 60529 IP40(modular enclosure) conforming to IEC 60529
Ambient Air Temperature for Operation	-5°C~40°C
EU RoHS Directive	Compliant EU RoHS Declaration
Pollution Degree	2 conforming to IEC/EN 60898-1
Upper Wiring	1-16mm ²
Lower Wiring	

Dimensions



TSN4-40 Miniature Circuit Breaker

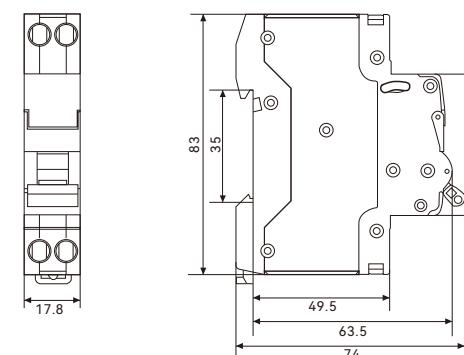
Application

TSN4-40 series MCB is high performance current limiting device with the ability to disconnect short circuits up to 4.5/6kA. Thermal trip unit is for normal overload protection and magnetic trip unit is for short circuit protection.

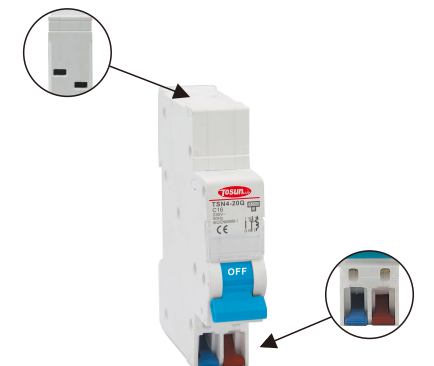
Specification

Number of Poles	1P+N
Rated Current	1A, 2A, 3A, 4A, 5A, 6A, 10A, 16A, 20A, 25A, 32A, 40A
Rated Operational Voltage (U _e)	230V/240V~
Trip Unit Technology	Thermal-magnetic
Curve Code	B, C, D
Breaking Capacity	I _{cn} =I _{cs} =4500/6000A
Standards	IEC/EN 60898-1
Rated Insulation Voltage (U _i)	AC 415V
Rated Impulse Withstand Voltage (U _{imp})	4000V
Mechanical Durability	10000 cycles
Electrical Durability	4000 cycles
Tightening Torque	M4 2N.m II
IP Degree of Protection	IP20 conforming to IEC 60529 IP40(modular enclosure) conforming to IEC 60529
Ambient Air Temperature for Operation	-5°C~40°C
EU RoHS Directive	Compliant EU RoHS Declaration
Pollution Degree	2 conforming to IEC/EN 60898-1
Upper Wiring	1-16mm ²
Lower Wiring	

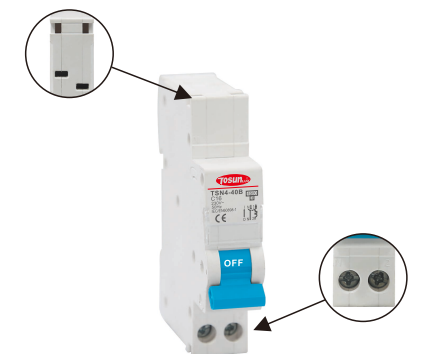
Dimensions



TSN4-40



TSN4-20Q
Max 20A



TSN4-40B



TSB4-125 Miniature Circuit Breaker

Application

TSB4-125 series MCB is suitable for AC 50/60Hz rated voltage 415V and below, rated current to 125A circuit for overload, short circuit protection, can also be used as a line infrequent operation conversion. it is suitable for commercial office buildings and residential houses. The products comply with IEC60898-1.

Specification

Number of Poles	1P, 2P, 3P, 4P
Rated Current	80A, 100A, 125A
Breaking Capacity	6000A
Rated Voltage	230V/400V~, 240V/415V~
Trip Unit Technology	Thermal-magnetic
Curve Code	C, D
Rated Impulse Withstand Voltage [Uimp]	4000V
Mechanical Durability	10000 cycles
Electrical Durability	6000 cycles
Tightening Torque	M7 3.5N.m II
Endurance	≥20000
Circumstance Temperature	-5°C~+40°C
Protection Degree	IP20



TSB4-125 1P

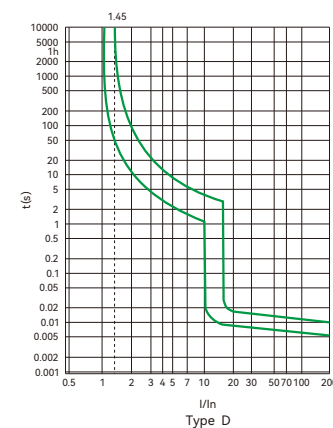
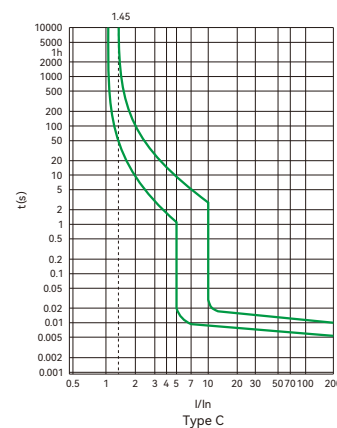


TSB4-125 2P

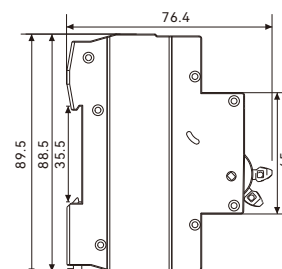
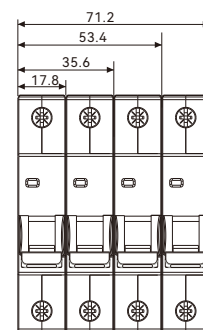


TSB4-125 3P

Characteristic Curve



Dimensions



TSB5-125 Miniature Circuit Breaker

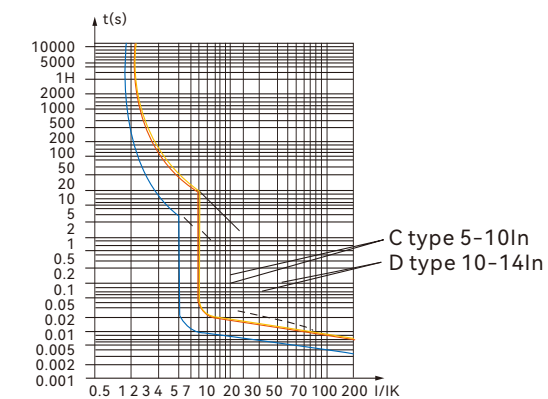
Application

TSB5-125 series MCB is used for AC 50/60Hz single pole 240V, 2P/3P/4P 415V for overload and short circuit protection. It can be used in lighting and electric motor distribution system. Meantime, it is applicable to an unfrequent switch over the electric apparatus and lighting circuit under normal condition. The products comply with IEC60898-1 or IEC60947-2.

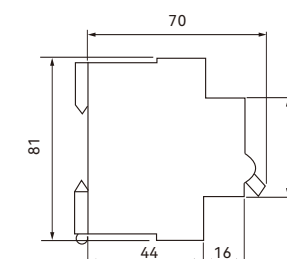
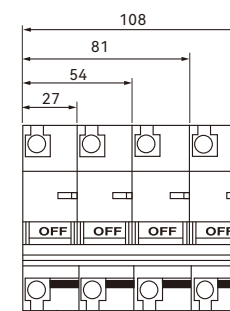
Specification

Number of Poles	1P, 2P, 3P, 4P
Rated Current	80A, 100A, 125A
Breaking Capacity	6000A
Rated Voltage	240V/415V~
Curve Code	C, D
Endurance	≥20000
Circumstance Temperature	-5°C~+40°C
Mechanical Durability	10000 cycles
Electrical Durability	6000 cycles
Protection Degree	IP20

Characteristic Curve



Dimensions



TSB5-125 1P



TSB5-125 2P



TSB5-125 3P

TSL3-63 Residual Current Circuit Breaker

Application

TSL3-63 RCCBs incorporate the same housing and installation features as the MCBs. With a range that includes pulse current sensitive and super immune devices, there's a unit for every application.

Specification

Number of Poles	1P+N, 3P+N
Rated Current	16A, 25A, 40A, 63A
Rated Operational Voltage	230V/400V~, 240V/415V~
Earth-leakage Sensitivity	30mA, 100mA, 300mA
Trip Unit Technology	Electro-magnetic
Network Type	AC /A
Standards	IEC/EN 61008-1
Rated Breaking Capacity(Icn)	Icn=IΔc=6000A
Rated Insulation Voltage [Ui]	415V
Rated Impulse Withstand Voltage [Uimp]	4000V
Mechanical Durability	10000 cycles
Electrical Durability	4000 cycles
Tightening Torque	M5 2.5N.m II
IP Degree of Protection	IP20 conforming to IEC 60529 IP40(modular enclosure) conforming to IEC 60529
Ambient Air Temperature for Operation	-5°C~40°C
EU RoHS Directive	Compliant EU RoHS Declaration
Pollution Degree	2 conforming to IEC/EN 60898-1
Upper Wiring	1-25mm ²
Lower Wiring	



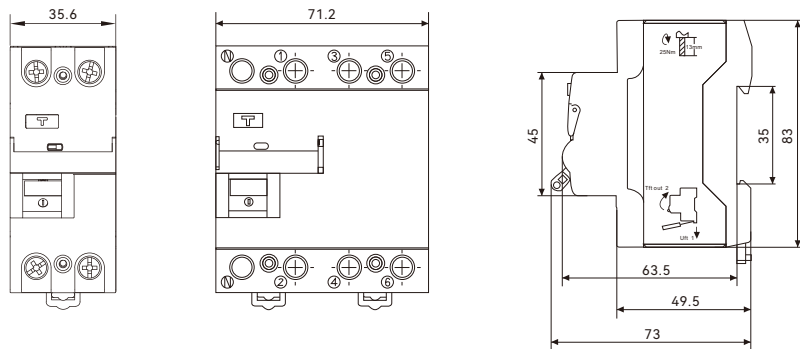
TSL3-63 1P+N



TSL3-63 3P+N



Dimensions



TSL3-100 Residual Current Circuit Breaker

Application

TSL3-100 RCCBs incorporate the same housing and installation features as the MCBs. With a range that includes pulse current sensitive and super immune devices, there's a unit for every application.

Specification

Number of Poles	1P+N, 3P+N
Rated Current	80A,100A
Rated Operational Voltage	1P+N: 230/240V~, 3P+N:400/415V~
Earth-leakage Sensitivity	30mA,100mA,300mA
Type of Trip	Electro-magnetic
Network Type	AC /A
Standards	IEC/EN 61008-1
Rated Breaking Capacity	6000A
Rated Impulse Withstand Voltage [Uimp]	4000V
Electrical Durability	2000 cycles
Mechanical Durability	4000 cycles
Residual Current Off-time Under IΔn	≤ 0.1s
Protection Degree	IP20
Ambient Air Temperature for Operation	-5°C~40°C
Terminal Connection Type	Cable/Pin-type busbar/Fork-type busbar
Max.Terminal Size for Cable	35mm ²
Max.Tightening Torque	2.5N.m
Installation	Mounting on 35mm DIN rail

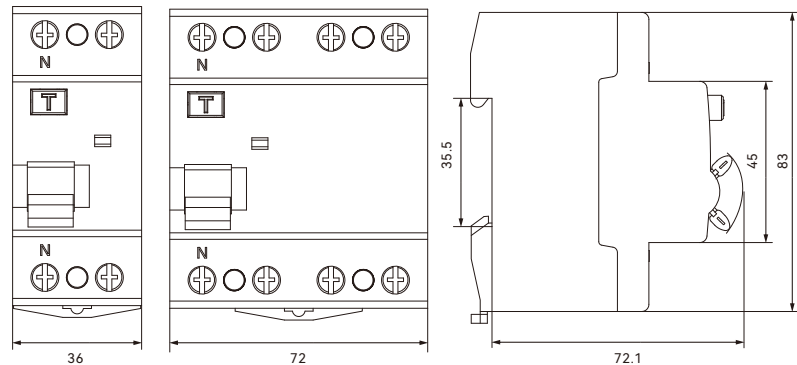


TSL3-100 1P+N



TSL3-100 3P+N

Dimensions



TSN1-40L Residual Current Operated Circuit Breaker (RCBO)

Application

Designed for DIN rail distribution boards, the TSN1-40L range of RCBO provides maximum protection and continuity of service while minimizing service intervention time.

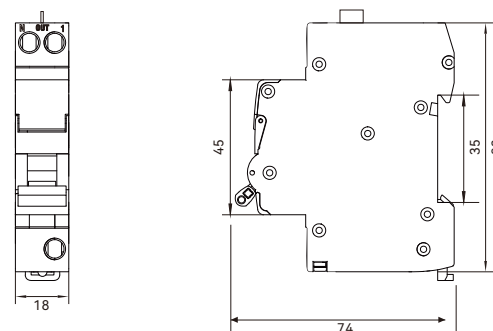


TSN1-40L

Specification

Number of Poles	1P+N
Rated Current	5A, 6A, 10A, 16A, 20A, 25A, 32A, 40A
Rated Operational Voltage	230V/240V~
Earth-leakage Sensitivity	10mA, 30mA, 100mA
Trip Unit Technology	Electronic
Network Type	AC /A
Standards	IEC/EN 61009-1
Rated Breaking Capacity (Icn)	6000A
Rated Insulation Voltage (Ui)	AC 415V
Rated Impulse Withstand Voltage (Uimp)	4000V
Mechanical Durability	10000cycles
Electrical Durability	4000 cycles
Curve Code	B, C
Tightening Torque	M4 2N.m
Ambient Air Temperature for Operation	-5°C~40°C
Upper Wiring	1-16mm ²
Lower Wiring	

Dimensions



TSN3-32L Residual Current Operated Circuit Breaker (RCBO)

Application

Slim DIN mounted RCBO is available as single module devices to save valuable switchboard space.

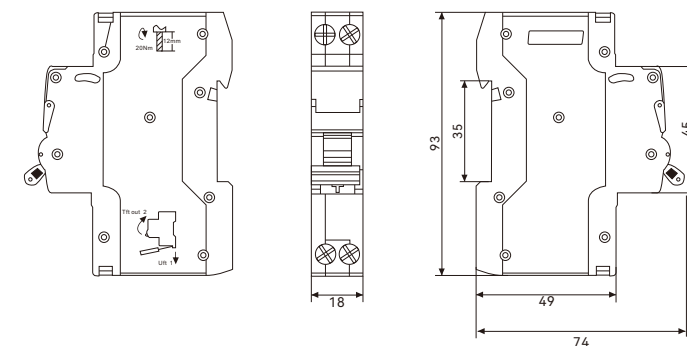


TSN3-32L

Specification

Number of Poles	1P+N
Rated Current	6A, 10A, 16A, 20A, 25A, 32A
Rated Operational Voltage	230V/240V~
Earth-leakage Sensitivity	10mA, 30mA, 100mA
Trip Unit Technology	Electronic
Network Type	AC /A
Standards	IEC/EN 61009-1
Breaking Capacity	Icn=Ics=6000A
Rated Insulation Voltage (Ui)	AC 415V
Rated Impulse Withstand Voltage (Uimp)	4000V
Mechanical Durability	10000 cycles
Electrical Durability	4000 cycles
Tightening Torque	M4 2N.m II
IP Degree of Protection	IP20 conforming to IEC 60529 IP40(modular enclosure) conforming to IEC 60529
Curve Code	B, C
Ambient Air Temperature for Operation	-5°C~40°C
EU RoHS Directive	Compliant EU RoHS Declaration
Pollution Degree	2 conforming to IEC/EN 60898-1
Upper Wiring	1-16mm ²
Lower Wiring	

Dimensions



TSN3-63L Residual Current Operated Circuit Breaker (RCBO)

Application

TSN3-63L RCBO is used in the single phase circuit of AC 50/60Hz, rated voltage 240V, as electron shock protection. It can protect circuit from overload and short circuit. This product has advantages of small volume and high breaking capacity. It cuts off the live wire and neutral wire at the same time. It also protects person from electric shock when the live wire is connected opposite. The products comply with the standards of IEC61009.

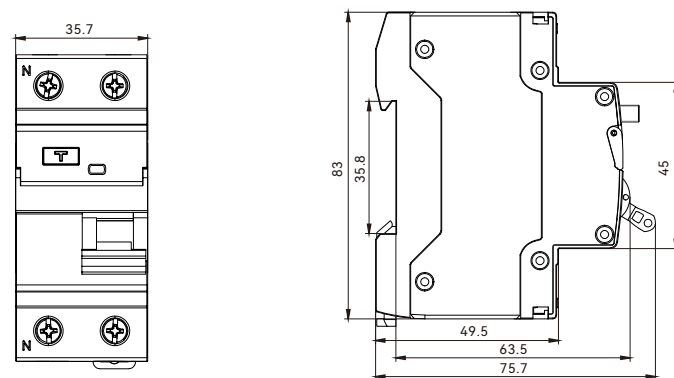


TSN3-63L

Specification

Number of Poles	1P+N
Rated Current	6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A
Earth-leakage Sensitivity	30mA, 100mA, 300mA
Trip Unit Technology	Electronic
Network Type	AC /A
Rated Voltage	230V/240V~
Residual Current Off-time	≤0.1s
Short Circuit Capacity (Icu)	4500A
Curve Code	B, C
Mechanical Durability	10000 cycles
Electrical Durability	3000 cycles
Protection Degree	IP20
Upper Wiring	1-25mm ²
Lower Wiring	

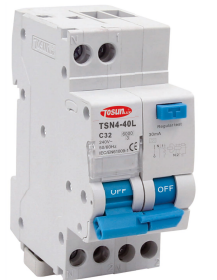
Dimensions



TSN4-40L Residual Current Operated Circuit Breaker (RCBO)

Application

Designed for DIN rail distribution boards, the TSN4-40L range of RCBO provides maximum protection and continuity of service while minimizing service intervention time.

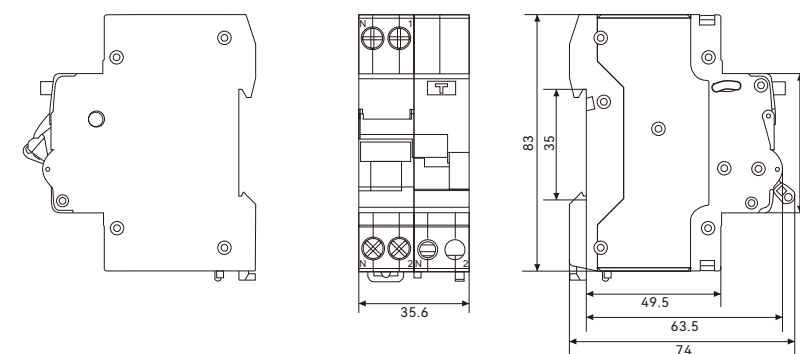


TSN4-40L

Specification

Number of Poles	1P+N
Rated Current	6A, 10A, 16A, 20A, 25A, 32A, 40A
Rated Operational Voltage	230V/240V~
Earth-leakage Sensitivity	10mA, 30mA, 100mA
Trip Unit Technology	Electro-magnetic
Network Type	AC /A
Standards	IEC/EN 61009-1
Rated Breaking Capacity(Icn)	6000A
Rated Residual Breaking and Making Capacity(IΔm)	500A
Rated Insulation Voltage (Ui)	400V
Rated Impulse Withstand Voltage (Uimp)	4000V
Mechanical Durability	10000 cycles
Electrical Durability	4000 cycles
Tightening Torque	M4 2N.m II
Curve Code	B, C
IP Degree of Protection	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
Ambient Air Temperature for Operation	-5°C~40°C
EU RoHS Directive	Compliant EU RoHS Declaration
Pollution degree	2 conforming to IEC/EN 60898-1
Upper Wiring	1-16mm ²
Lower Wiring	

Dimensions



TSN9-63L Residual Current Operated Circuit Breaker (RCBO)

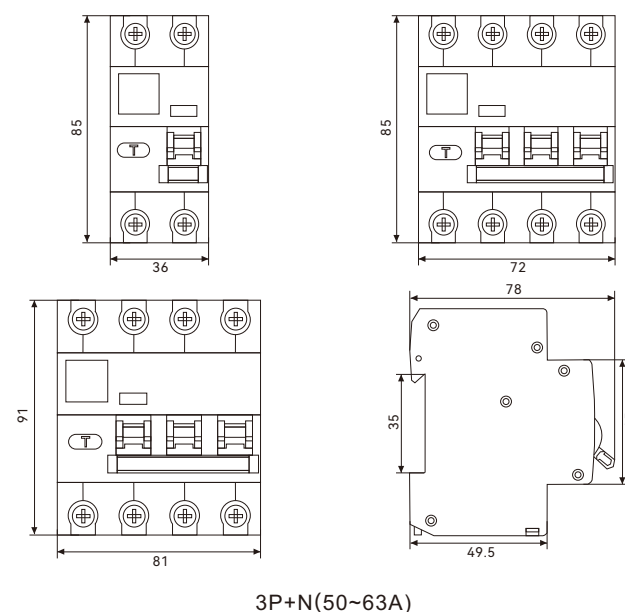
Application

The product serves in the circuit of AC 50/60Hz, rated voltage 230/400V and rated current up to 63A, to cut off the power supply automatically and immediately once someone suffers from electric shock or residual current above specified value. It can protect personal safety and avoid the damage against equipments effectively. The circuit breaker can also be operated as overload protection, short circuit protection and infrequent changeover of the circuit under normal condition. The product is in conformity with IEC61009-1 standard.

Specification

Number of Poles	1P+N, 3P+N
Rated Current	6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A
Rated Voltage	230V/240V~, 400V/415V~
Rated Residual Operating Current	10mA, 30mA, 100mA, 300mA
Trip Unit Technology	Electro-magnetic
Curve Code	B, C
Network Type	AC /A /F
Rated Short-circuit Capacity (Icn)	6000A
Rated Residual Current Operated Making and Breaking Capacity (IΔm)	3000A
Rated Residual Non-operated Current	IΔno: 0.5IΔn

Dimensions



TSN9-63L 1P+N



TSN9-63L 3P+N

TSAF1 Arc Fault Detection Device

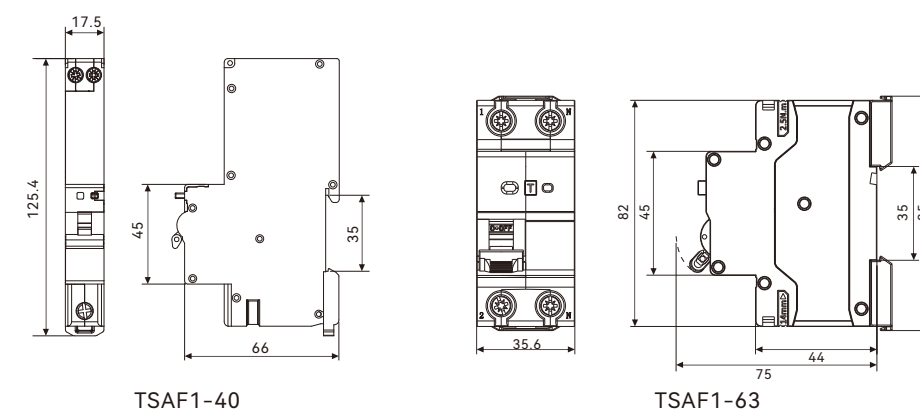
Application

AFDDs detect and automatically disconnect arc faults which occur in damaged or crushed cables, loose terminations and ageing installations where the insulation performance degrades over time. It can provide over current protection, short circuit protection, residual current protection and arc fault protection as well. The products comply with IEC62606 and IEC61009-1.

Specification

Model	TSAF1-40	TSAF1-63
Rated Current	6A, 10A, 16A, 20A, 25A, 32A, 40A	6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A
Network Type	AC /A	
Rated Voltage	230/240V~	
Maximum Operating Voltage	1.1Un	
Minimum Operating Voltage	180V	
Curve Code	B, C	
Rated Residual Making and Breaking Capacity (IΔm)	3000A	
Rated Residual Operating Current (IΔn)	30mA, 100mA, 300mA	
Rated Short Circuit Capacity (Icn)	6000A	
AFDD Test Means	Automatic test function as per IEC 62606	
Classification as Per IEC 62606	4.1.2 - AFDD unit integrated in a protective device	
Ambient Operating Temperature	-25°C ~ 40°C	
AFDD Ready Indication	Single LED Indication	
Over voltage Function	Over voltage condition of 270Vrms to 300Vrms for 10 seconds will cause device to trip. LED indication of over voltage trip will be provided on product re-latch.	
Self Test Interval	1 Hour	

Dimensions



TSAF1-63



TSAF1-40

TSG3-125 Modular Main Switch

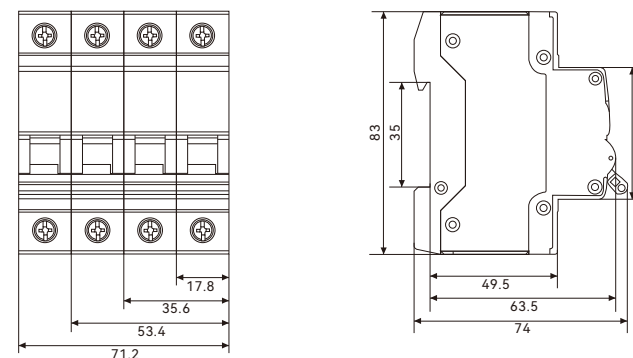
Application

TSG3-125 modular main switch offers an extensive range of high quality main switches for residential, commercial and industrial applications. The products incorporate superior quality internal mechanisms and come with a highly visible ON/OFF toggle, which allows for quick location when isolation of power is required in an emergency.

Specification

Number of Poles	1P, 2P, 3P, 4P
Utilisation Category	AC-22A
Rated Operational Current	32A, 40A, 63A, 80A, 100A, 125A
Rated Operational Voltage	230/400V~, 240/415V~
Standards	IEC/EN60947-3
Rated Short-circuit Making Capacity (Icm)	5 kA switch-disconnector alone
Rated Short-time Withstand Current (Icw)	1500A
Rated Insulation Voltage (Ui)	AC 250V
Rated Impulse Withstand Voltage (Uimp)	6000V
Mechanical Durability	8500 cycles
Electrical Durability	1500 cycles
Tightening Torque	M6 3.5N.m II
IP Degree of Protection	IP20 conforming to IEC 60529 IP40(modular enclosure) conforming to IEC 60529
Ambient Air Temperature for Operation	-5°C~40°C
EU RoHS Directive	Compliant EU RoHS Declaration
Pollution Degree	2 conforming to IEC/EN 60898-1
Upper Wiring	
Lower Wiring	

Dimensions



TIL2 Modular Indicator

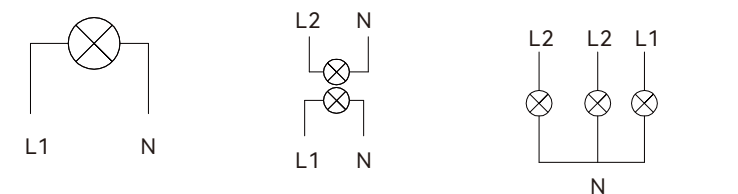
Application

TIL2 Modular indicator is applicable to circuit for visual indication and signaling.

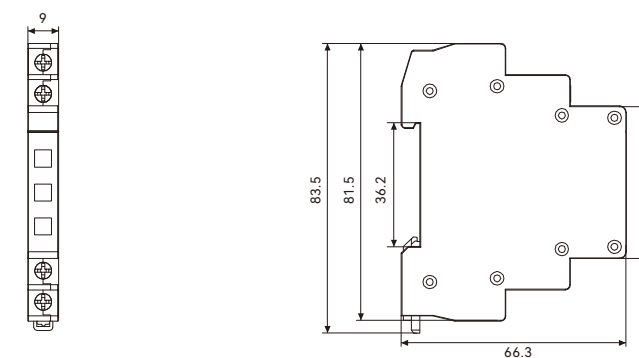
Specification

Rated Voltage	AC/DC 24V, AC/DC 48V AC 100V AC 230V	
Colour	TIL2-1	Red, Yellow, Green
	TIL2-2	Red+Green
	TIL2-3	Red+Green+Yellow, Red+Blue+White
Connection Terminal	Pillar terminal with clamp	
Connection Capacity	Rigid conductor 2.5mm²	
Installation	Mounted on 35mm din rail	
Max Power	0.06W	
Illumination	LED	
Working Life	≥30,000h	

Circuit Diagram



Dimensions



TIL2-1R



TIL2-2RG



TIL2-3RGY

TIL1 Modular Indicator

Application

TIL1 modular indicator is applicable to the control system of a circuit with AC 50/60Hz rated voltage to 230V or DC voltage to 230V. It is used for indication signals, preset signals, accident signals or other indications in telecommunication, electrical, and other industries as well.

Specification

Rated Voltage	AC/DC 6V, 12V, 24V, 110V, 230V
Color	Red, Yellow, Blue, Green, White
Rated Current	≤20mA
Working Life	≥30000h
Connecting Wire	≤6mm ²
Tightening Torque	0.8N.m
Protection Grade	IP20
Ambient Temperature	-5°C~+40°C
Altitude	≤ 2000m
Installation Category	Class II and III
Pollution Level	Level 2
Installation Method	Mounted on 35mm Din Rail

Dimensions



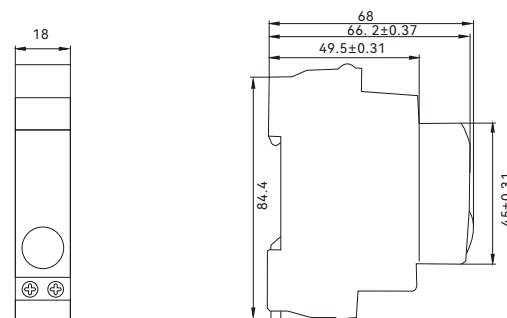
TIL1-1



TIL1-2



TIL1-3



TPB1 Modular Pushbutton

Application

TPB1 modular pushbutton is applicable to the control system of a circuit with AC 50/60Hz rated voltage to 230V, such as to work with magnetic starter, contactor and other electrical circuit control. The button with light is also applicable to places where various light signals indication are required.

Specification

Rated Voltage	AC 230V~
Color	Red, Green
Rated Current	6A
Mechanical Life (times)	250000
Electrical Life (times)	100000
Contact Combination Mode	TPB1-1: 2NO+2NC, 3NO+1NC, 4NO
	TPB1-2: 1NO+2NC, 2NO+1NC, 3NO
Connecting Wire	≤6mm ²
Tightening Torque	0.8N.m
Use Category	AC-14
Protection Grade	IP20
Rated Voltage of Indicator	AC/DC 6V, 12V, 24V, 110V, 230V
Rated Working Current	≤20mA
Working Life	≥30000h
Ambient Temperature	-5°C~+40°C
Altitude	≤ 2000m
Installation Method	Mounted on 35mm Din Rail

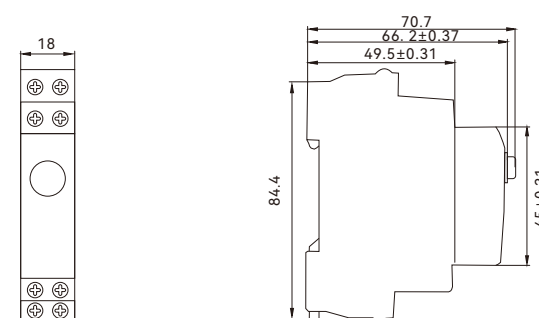
Dimensions



TPB1-1



TPB1-2



Modular Digital Voltage & Current Protector



TDP4-1



TDP4-3

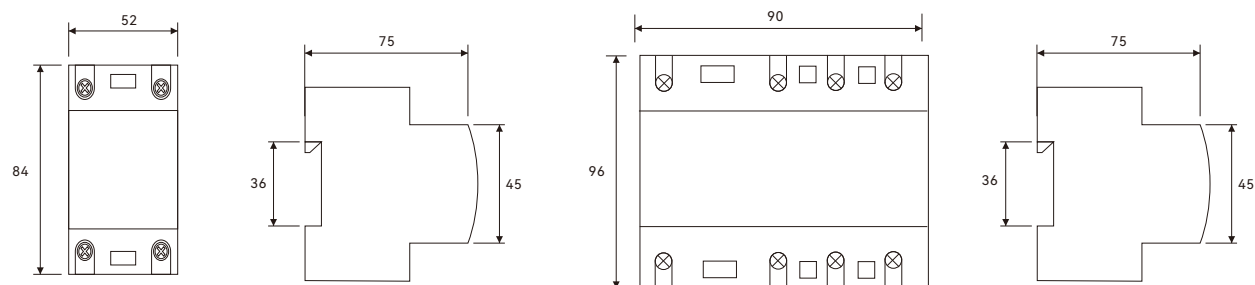
Application

TDP4 modular digital voltage and current protector can disconnect the circuit to protect the appliances automatically in case abnormal situation happens to power supply. When the power supply recovers, the protector switches on the circuit automatically after 1-2 minutes delay. Indicators on the panel show the working condition of the protector.

Specification

Model	TDP4-1	TDP4-3
Rated Working Voltage	AC 220V~	AC 380V~
Operation Voltage Range	AC 80V-400V(Single Phase)	AC 140V-650V
Rated Working Current	32A/40A/63A/80A	
Over Voltage Protection Value	AC 230V-AC 300V	
Under Voltage Protection Value	AC 120V-AC 210V	
Voltage Power Off Time	0.4s	
Overcurrent Protection Value	1-32A/1-40A/1-63A/1-80A	
Overcurrent Power Off Time	1-60s	
Recover time (Starting Delay Time)	10-999s/80s	
Own Power Consumption	≤1.5W	
Motor Mechanical Life	≥100,000 Times	
Relative Humidity	45-90%RH	
Temperature	40°C	
Altitude	≤2000M	

Dimensions



TDP2-1



TDP2-3

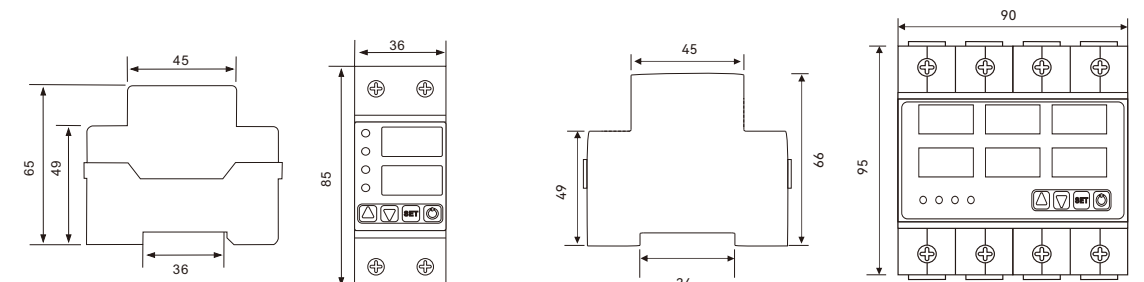
Application

TDP2 Voltage Protector, a new generation of home appliance protectors, is suitable for houses, hotels, buildings, school dormitories, etc, to protect the electrical safety of appliances and other loads, to prevent damage to the load caused by too high or too low mains power.

Specification

Model	TDP2-1	TDP2-3
Rated Supply Voltage	AC 220V~	
Operation Voltage Range	AC 80V~400V(single phase)	AC 80V~400V(three phase)
Electric Current(> A)setting Range	1~40A/63A	1~40A/63A/80A
Overvoltage(>U)setting Range	230V~300V	390V~500V
Undervoltage(<U)setting Range	210V~140V	370V~260V
Rated Current	40A/63A	40A/63A/80A/100A
>U and <U Trip Delay	0.1~30s	
Reset/start Delay	1 ~600s	1~500s
Voltage Measurement Accuracy	2% (Not exceeding 2% of the overall range)	
Rated Insulation Voltage	400V	700V
Output Contact	1NO	3NO
Protection Degree	IP 20	
Pollution Degree	3	
Altitude	≤2000m	
Operatintg Temperature	- 50°C~55°C	
Humidity	≤50% at 40°C(without condensation)	
Storage Temperature	- 30°C~70°C	

Dimensions



TDP2-1

TDP2-3

Modular Digital Over & Under Voltage Protector



TDP-1

TDP-3

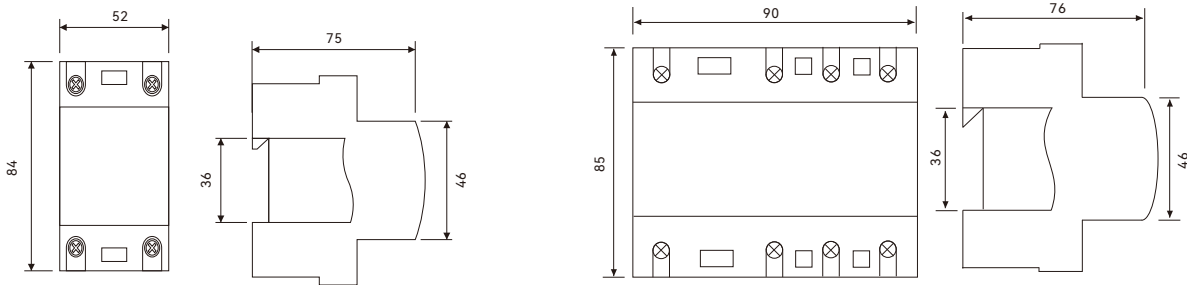
Application

TDP Modular Digital Over & Under Voltage Protector is self-healing phase failure and phase sequence protective relay and it's a newly developed household electrical equipment protector. The protector can quickly disconnect the power supply to protect the appliances when there is power interruption or the voltage exceeds or falls below the predetermined value. When the power supply recovers, the protector automatically connects the power after 1-2 minutes' delay. All the protective actions are automatically controlled. Indicators on the panel display the working condition of the protector. This product is convenient in use, reliable in quality and excellent in performance.

Specification

Model	TDP-1						TDP-3				
Number of Poles	1P						3P				
Rated Voltage	AC 220V~						AC 380V~				
Rated Current	20A	32A	40A	50A	63A	80A	32A	40A	50A	63A	80A
Loading Power (kVA)	4.4	6.6	8.8	11	13	17	20	25	30	40	52
Over Voltage Cut-Off Value (VAC)	230-270 adjustable (400V short time)						230-270 adjustable				
Time Delay	0.01s						0.01s				
Under-Voltage Cut-Off Value	AC 120V-210V adjustable						AC 120V-210V adjustable				
Time Delay	0.1s						0.1s				
Recovery Setting Time Range	10-600s						10-600s				
Self Power Consumption	≤3W						≤3W				
Ambient Temperature	-20°C~+40°C										

Dimensions



TDP-1

TDP-3

TSP8 Surge Protector



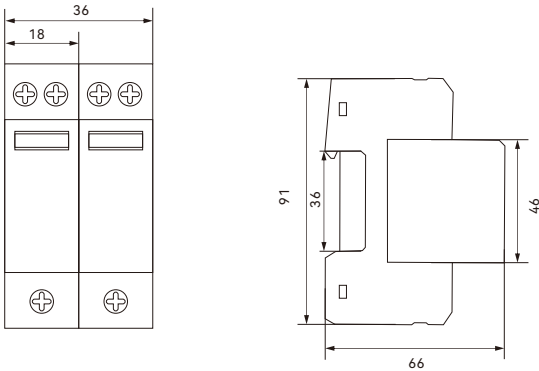
TSP8 1P+NPE

TSP8 4P

Specification

Type		2P, 4P, 1P+NPE, 3P+NPE					
Nominal Discharge Current (8/20μs)(In)		5kA		10kA		20kA	
Max. Discharge Current (8/20μs)(Imax)		10kA		20kA		40kA	
Max. Continuous Operating Voltage (a.c.) (Uc)		150V	280V	320V	385V	440V	255V(NPE)
Voltage Protection Level (Up)	TSP8-10	≤0.7kV	≤0.8kV	≤1.0kV	≤1.2kV	≤1.6kV	≤1.5kV
	TSP8-20	≤0.8kV	≤1.0kV	≤1.2kV	≤1.45kV	≤1.6kV	≤1.5kV
	TSP8-40	≤1.0kV	≤1.3kV	≤1.4kV	≤1.8kV	≤2.2kV	≤1.5kV
SPD According to EN61643-11		Type 2/Class II/T2					
Response Time (tA)		25ns / NPE: 100ns					
Operating Temperature Range (Tu)		-40°C~-+80°C					
Operating State / Fault Indication		2P, 4P/Green: normal Red: invalid					
Degree of Protection		IP20					

Dimensions



TSP7 Surge Protector



TSP7 1P



TSP7 2P



TSP7 3P



TSP7 1P+NPE



TSP7 3P+NPE

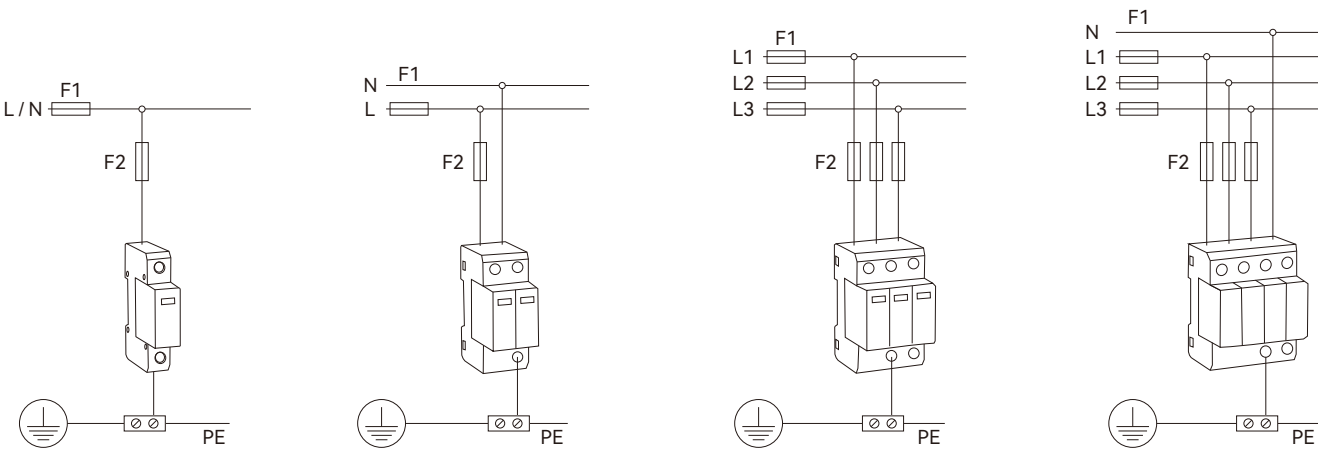


Specification

Type	1P, 2P, 3P, 4P					
Nominal Discharge Current (8/20μs)(In)	5kA	10kA	20kA	30kA		
Max. Discharge Current (8/20μs)(Imax)	10kA	20kA	40kA	60kA		
Max. Continuous Operating Voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V
Voltage Protection Level (Up)	TSP7-10	≤0.7kV	≤0.8kV	≤1.0kV	≤1.2kV	≤1.6kV
	TSP7-20	≤0.8kV	≤1.0kV	≤1.2kV	≤1.45kV	≤1.6kV
	TSP7-40	≤1.0kV	≤1.3kV	≤1.4kV	≤1.8kV	≤2.2kV
	TSP7-60	≤1.2kV	≤1.5kV	≤1.6kV	≤1.8kV	≤2.0kV
SPD According to EN61643-11	Type 2/Class II/T2					
Response Time (tA)	1P, 2P, 3P, 4P: 25ns					
Operating Temperature Range (Tu)	-40°C~+80°C					
Operating State / Fault Indication	1P, 2P, 3P, 4P/Green: normal Red: invalid					
Degree of Protection	IP20					

1P+NPE, 3P+NPE						
5kA	10kA	20kA	30kA			
10kA	20kA	40kA	60kA			
150V	280V	320V	385V	440V	600V	255V(NPE)
≤0.7kV	≤0.8kV	≤1.0kV	≤1.2kV	≤1.6kV	≤2.0kV	≤1.5kV
≤0.8kV	≤1.0kV	≤1.2kV	≤1.45kV	≤1.6kV	≤2.0kV	≤1.5kV
≤1.0kV	≤1.3kV	≤1.4kV	≤1.8kV	≤2.2kV	≤2.5kV	≤1.5kV
≤1.2kV	≤1.5kV	≤1.6kV	≤1.8kV	≤2.0kV	≤2.5kV	≤1.5kV
Type 2/Class II/T2						
1P+NPE, 3P+NPE: 25/100ns						
-40°C~+80°C						
1P, 3P/Green: normal Red: invalid						
IP20						

Standard Wiring



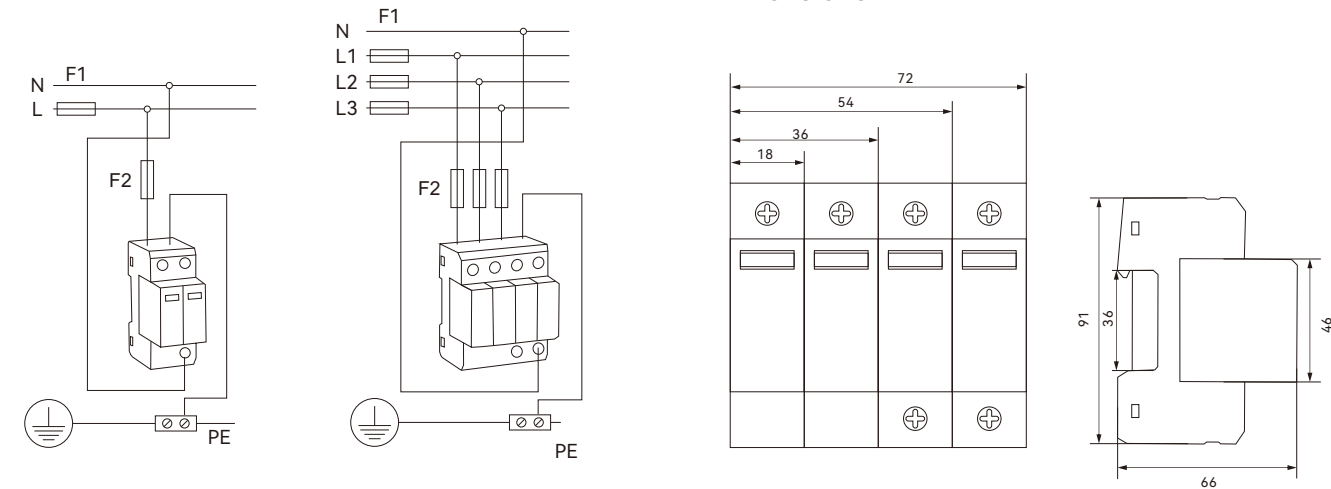
TSP7 1P

TSP7 2P

TSP7 3P

TSP7 4P

Dimensions



TSP7 1P+NPE

TSP7 3P+NPE

LCH8 Modular Contactor



LCH8-25 2P



LCH8-63 2P



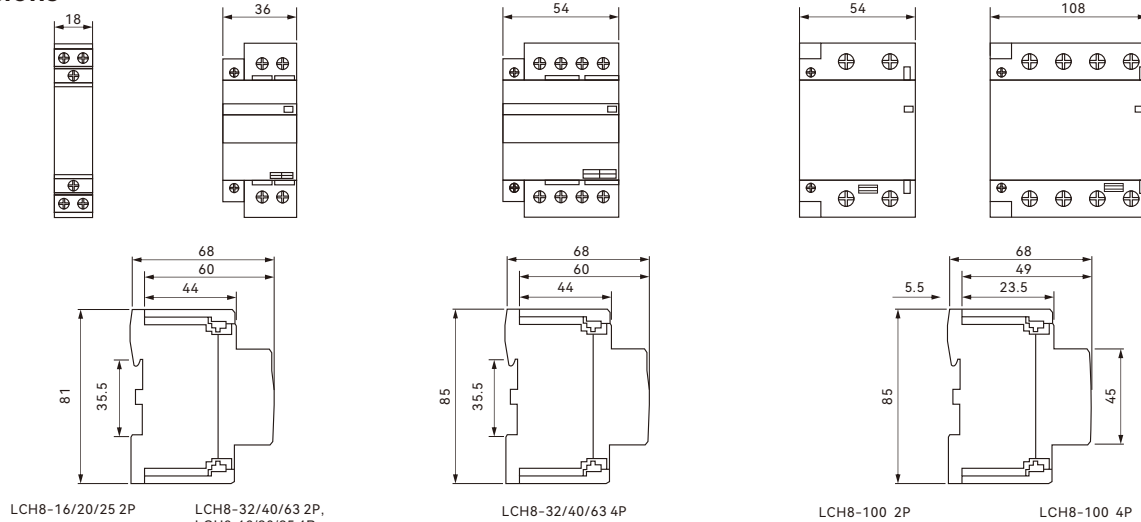
LCH8-63 4P



Specification

Model	Rating(In)		Control Voltage	Contact	Width in 9mm modules	Type
	AC-1	AC-3				
LCH8-16 2P	16A	6A	AC 24V AC 110V AC 230V	2NO 1NO+1NC 2NC	2	
LCH8-20 2P	20A	7A			4	
LCH8-25 2P	25A	9A			6	
LCH8-32 2P	32A	12A				
LCH8-40 2P	40A	18A				
LCH8-63 2P	63A	25A				
LCH8-80 2P	80A	32A		3NO 3NC	4	
LCH8-100 2P	100A	40A			6	
LCH8-125 2P	125A	50A				
LCH8-16 3P	16A	6A				
LCH8-20 3P	20A	7A				
LCH8-25 3P	25A	9A				
LCH8-32 3P	32A	12A		4NO 4NC 2NO+2NC 3NO+1NC	4	
LCH8-40 3P	40A	18A			6	
LCH8-63 3P	63A	25A				
LCH8-16 4P	16A	6A				
LCH8-20 4P	20A	7A				
LCH8-25 4P	25A	9A				
LCH8-32 4P	32A	12A			4	
LCH8-40 4P	40A	18A			6	
LCH8-63 4P	63A	25A				
LCH8-80 4P	80A	32A				
LCH8-100 4P	100A	40A				
LCH8-125 4P	125A	50A				

Dimensions



LCH8-25M 2P



LCH8-63M 3P



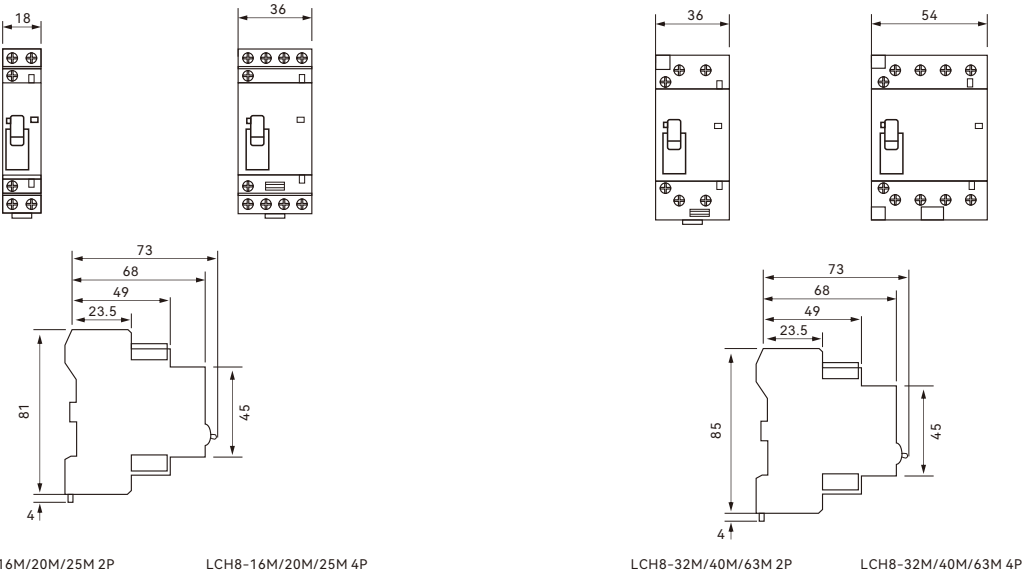
LCH8-63M 4P



Specification

Model	Rating(In)		Control Voltage	Contact	Width in 9mm modules	Type
	AC-1	AC-3				
LCH8-16M 2P	16A	6A	AC 24V AC 110V AC 230V	2NO 1NO+1NC 2NC	2	
LCH8-20M 2P	20A	7A			4	
LCH8-25M 2P	25A	9A			6	
LCH8-32M 2P	32A	12A				
LCH8-40M 2P	40A	18A				
LCH8-63M 2P	63A	25A		3NO 3NC	4	
LCH8-16M 3P	16A	6A			6	
LCH8-20M 3P	20A	7A				
LCH8-25M 3P	25A	9A				
LCH8-32M 3P	32A	12A				
LCH8-40M 3P	40A	18A		4NO 4NC 2NO+2NC 3NO+1NC	4	
LCH8-63M 3P	63A	25A			6	
LCH8-16M 4P	16A	6A				
LCH8-20M 4P	20A	7A				
LCH8-25M 4P	25A	9A				
LCH8-32M 4P	32A	12A				
LCH8-40M 4P	40A	18A				
LCH8-63M 4P	63A	25A				

Dimensions







LCH9 AC/DC Modular Contactor

Specification



Model	Rating(In)		Control Voltage	Contact	Width in 9mm modules	Type
	AC-1	AC-3				
LCH9-16 2P	16A	6A	AC/DC 12V AC/DC 24V AC/DC 48V AC/DC 110V AC/DC 230V	2NO 1NO+1NC 2NC	2	
LCH9-20 2P	20A	7A			2	
LCH9-25 2P	25A	9A			2	
LCH9-32 2P	32A	12A			2	
LCH9-40 2P	40A	18A		4	4	
LCH9-63 2P	63A	25A			4	
LCH9-16 4P	16A	6A		4NO 4NC 2NO+2NC 3NO+1NC	4	
LCH9-20 4P	20A	7A			4	
LCH9-25 4P	25A	9A			4	
LCH9-32 4P	32A	12A			4	
LCH9-40 4P	40A	18A			6	
LCH9-63 4P	63A	25A			6	

Auxiliary

Model	Used for Contactor	AC-12		AC-15		DC-13		Type
		Control Voltage	Control Current	Control Voltage	Control Current	Control Voltage	Control Current	
AUC11	LCH8	240V	5A	230V	2A	-	-	
AUC20								
AC1-11	LCH9					130V	1A	
AC1-20								



LCH9-63 2P



LCH9-63 4P



AUC20

BIR Impulse Relay

Application

- Closing of the impulse relay pole(s) is triggered by an impulse on the coil.
- Having two stable mechanical positions, the pole(s) will be opened by the next impulse. Each impulse received by the coil reverses the position of the pole(s).
- Can be controlled by an unlimited number of pushbuttons.
- Zero energy consumption.

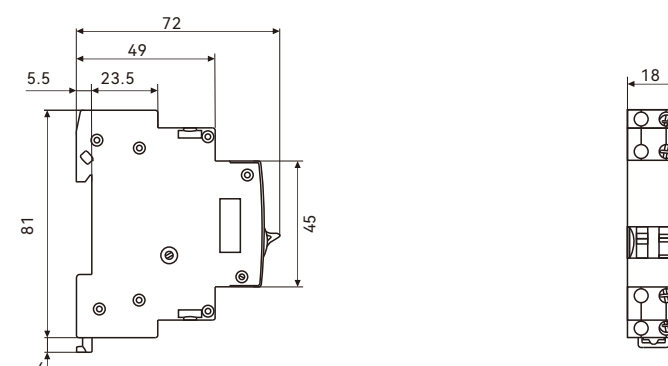
Specification

Model	Rated Current (A)	Wiring Diagram	Control Voltage
BIR-16/20	16		AC 24V DC 12V
BIR-16/11			AC 48V DC 24V
BIR-16/1C			AC 130V DC 48V
BIR-16/10			AC 230V DC 110V

Technical data

Dissipated Power	1P,2P: 19VA (during the impulse)
Illuminated PB Control	Max. current 3 mA (if > use an ATLz)
Operating Threshold	Min. 85% of Un
Duration of The Control Order	50 ms to 1 s (200 ms recommended)
Response Time	50 ms
Rated Voltage	AC 24V~250V
Maximum Operations	5 times/m
Maximum Switching Operation	100 times/d
Insulation Voltage (Ui)	AC 440V
Rated Impulse Withstand Voltage (Uimp)	6000V
Electrical Life	200,000 cycles (AC21)
	100,000 cycles (AC22)
Overvoltage Category	IV

Dimensions



BIR-16/10

TSM4 Moulded Case Circuit Breaker

Application

TSM4 series moulded case circuit breaker is applied for circuit of rated insulating voltage up to 1000V, rated operation voltage up to 400V, rated operation current up to 800A, AC 50/60Hz, for usage of infrequent transfer of the circuit and infrequent starting of the motor as well.

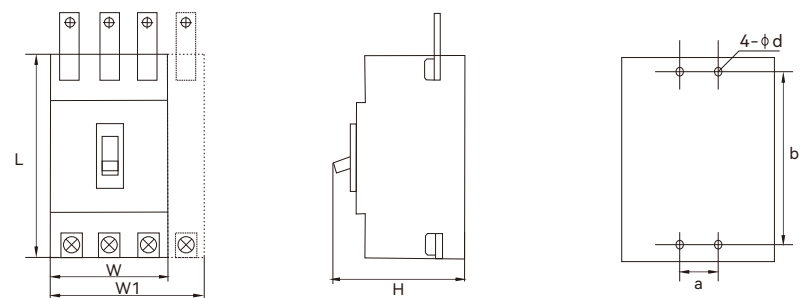
The breakers protect the circuit and devices in the circuit against being damaged by means of overload protection, short circuit protection and under voltage protection. The products comply with IEC60947-2.

Specification

Model	Type	Pole	Rated Current (A)	Ics (kA)	Icu (kA)	Arc Distance
TSM4-63	L	3, 4	10,16,20,25,32,40,50,63	15	18	≤50
	M			18	20	
TSM4-125	L	2,3,4	16,20,32,40,50,63,80,100,125	18	25	≤50
	M			22	30	
TSM4-250	L	2,3,4	100,125,140,160,180,200,225,250	20	25	≤50
	M			25	35	
TSM4-400	L	3, 4	200,225,250,315,350,400	25	35	≤100
	M			35	50	
TSM4-630	L	3, 4	400,500,630	30	40	≤100
	M			35	50	
TSM4-800	M	3, 4	630,700,800	35	50	≤100

Dimensions

Model	Type	L	W	W1	H	a	b	4-φ d
TSM4-63	L	136	75	103	90.5	25	117	3.5
	M				98.5			
TSM4-125	L	150	93	122	96	30	129	4.5
	M				104			
TSM4-250	L	165	107	142	110	35	126	4.5
	M				127			
TSM4-400	L,M	257	150	198	151.5	44	194	7
TSM4-630	L,M	270	182	238	155	58	200	7
TSM4-800	M	280	210	280	155	70	243	7



TSM4-125L



TSM4-250L

TSM4E Electronic Type Moulded Case Circuit Breaker

Application

TSM4E series electronic type moulded case circuit breaker is applied for circuit of rated insulating voltage up to 1000V, rated operation voltage up to 400V, rated operation current up to 800A, AC 50/60Hz, for usage of infrequent transfer of the circuit and infrequent starting of the motor as well.

The breakers protect the circuit and devices in the circuit against being damaged by means of inverse time long time delay overload protection, inverse time short time delay short circuit protection, short time delay short circuit protection, short circuit protection and under voltage protection.

The products comply with IEC60947-2.

Feature

- Five options of tripping characteristic are available, user can adjust the current according to the required loading;
- The electronic tripper is energized by the circuit breaker itself.
- Alarm indication: when loaded current is bigger than the preset current, the LED indicator on the front panel indicates yellow color immediately.
- Overload indication: when loaded current is bigger than the rectified current, the LED indicator on the front panel indicates red color immediately.

Specification

Model	Pole	Rated Current (A)	Ics (kA)	Icu (kA)	Arc Distance
TSM4E-125	3	16,20,25,32,36,40,45,50,55,60,65,70,75,80,85,90,95,125	22	30	≤50
TSM4E-250	3	100,125,140,160,180,200,225,250	25	35	≤50
TSM4E-400	3	200,225, 250, 280,315,350,400	35	50	≤100
TSM4E-630	3	400,420,440,460,500,530,560,600,630	35	50	≤100
TSM4E-800	3	630, 640,660,680,700,720,740,760,780,800	35	50	≤100



TSM4E-125



TSM4E-250

TSM4L Residual Current Operated Moulded Case Circuit Breaker

Application

TSM4L residual current operated moulded case circuit breaker is applied for circuit of rated insulating voltage up to 1000V, rated operation voltage up to 400V, rated operation current up to 800A, AC 50/60Hz, for usage of infrequent transfer of the circuit and infrequent starting of the motor as well.

The breakers protect the circuit and devices in the circuit against being damaged by means of overload protection, short circuit protection, under voltage protection and residual current protection.

The products comply with IEC60947-2.

Feature

- The product can work normally when phase failure happens to one of phases.
- The product can work normally even when the voltage is reduced to 85V.
- User can adjust the rated residual operation current $I_{\Delta n}$ and the maximum tripping duration according to the detailed situation.
- Output signal of alarm against residual current is available.

Specification

Model	TSM4L-125	TSM4L-250	TSM4L-400	TSM4L-800
Type	L	L	M	M
Pole	4	4	4	4
Rated Current (A)	16,20,25,32,40,50,63,80,100,125	100,125,140,160,180,200,225,250	200,225,250,315,350,400	400,500,630,700,800
Ics (kA)	18	20	35	35
Icu (kA)	25	25	50	50
Arc Distance	≤50	≤50	≤100	≤100
Rated Residual Action Current $I_{\Delta n}$ (mA)	100,300,500 (optional)			



TSM4L-125



TSM4L-250

TSM8 Moulded Case Circuit Breaker

Application

TSM8 series moulded case circuit breaker is applied for circuit of rated insulating voltage up to 800V, rated operation voltage up to 690V, rated operation current up to 1600A, AC 50/60Hz, for usage of infrequent transfer of the circuit and infrequent starting of the motor as well.

Model of TSM8-100, TSM8-160, TSM8-250, TSM8-400 and TSM8-630 protect the circuit and devices in the circuit against being damaged by means of overload protection, short circuit protection and under voltage protection. Model with bigger current (bigger than 630A) protect the circuit and devices in the circuit against being damaged by means of inverse time long time delay overload protection, inverse time short time delay short circuit protection, short time delay short circuit protection, short circuit protection and under voltage protection.

The products comply with IEC60947-2.

Specification

Model	Type	Pole	Rated Current (A)	Ics (kA)	Icu (kA)
TSM8-100	F	3, 4	16,20,25,32,40,50,63,80,100	36	36
	N			50	50
	H			70	70
TSM8-160	F	3, 4	63,80,100,125,160	36	36
	N			50	50
	H			70	70
TSM8-250	F	3, 4	100,125,160,200,250	36	36
	N			50	50
	H			70	70
TSM8-400	F	3, 4	160-400	36	36
	N			50	50
	H			70	70
TSM8-630	F	3, 4	250-630	36	36
	N			50	50
	H			70	70
TSM8-800	F	3, 4	320-800	36	36
	N			50	50
	H			70	70
TSM8-1000	F	3, 4	400-1000	36	36
	N			50	50
	H			70	70
TSM8-1250	F	3, 4	500-1250	36	36
	N			50	50
	H			70	70
TSM8-1600	F	3, 4	640-1600	36	36
	N			50	50
	H			70	70



TSM8-250F



TSM8-630F

TSM9 Moulded Case Circuit Breaker

Application

TSM9 moulded case circuit breaker supplied with rated insulation voltage 1000V is used for circuit of AC 50/60Hz, rated operating voltage AC 690V and rated operating current up to 1600A for infrequent changing over and starting of the motors. Equipped with the protection devices against over current, short circuit and under voltage, the product is capable of preventing damage of circuits and supply units. The product can be used to replace a load switch with isolation function. The products comply with IEC60947-2.

The product is equipped with an intelligent controller with LCD display. Rated operating current, overload setting current, short circuit delay current, short circuit instantaneous current, tripping time, as well as short circuit instantaneous three-stage protection and under voltage protection can be set in advance.

The product is also equipped with RS485 communication interface and MODBUS-RTU protocol, DL/T 645 protocol.

The following indication can be chosen by the users:

- Remote signal: breaking closing, tripping, alarm and fault status indication;
- Remote control: breaking, closing, resetting;
- Telemetry: three phase current and N phase current, grounding current, trip memory function, and functions such as querying trip recording parameters.

Specification

Model	TSM9-100	TSM9-160	TSM9-250	TSM9-400	TSM9-630	TSM9-1600
Number of Poles	3P, 4P					
Shell Frame Maximum Rated Current Inm(A)	100	160	250	400	630	1600
Rated Current In(A)	12.5,16,20,25,32,40,50,63,80,100	16,20,25,32,40,50,63,80,100,125,160	100,160,180,200,225,250	250,315,350,400	400,500,630	630,800,1000,1250,1600
Rated Insulation Voltage Ui	1000V					
Rated Impulse Withstand Voltage Uimp	8000V					
Rated Voltage Ue	AC 400V/415V 50/60HZ					
Flying arc Distance (mm)	0					
Rated Ultimate Short Circuit Breaking Capacity Icu(kA) 400/415V	L=50kA, M=85kA, H=100kA					L=50kA
Rated Service Short Circuit Breaking Capacity Ics(kA) 400/415V	Ics=100%Icu					
Utilization Category	A	A	A	B	B	B
Rated Short Time Withstand Current Icw (kA)(1s)	/			5.0kA/1s		
Electrical Life (times)	10000	8000	8000	6000	5000	1500
Mechanical Life (times)	20000	20000	20000	10000	10000	10000



TSM9-100L



TSM9-400L

Micrologic 5.0E measurement function

Protection Function	Current (A)	Overload protection	■
		Short circuit short delay protection	■
		Instantaneous action protection	■
		(4P) Netural line protection	□
		Grounding protection	■
		Current unbalance protection	□
		Overload preliminary warning	□
Measurement Function	Voltage (V)	Breaking zero	■
		Voltage unbalance protection	■
		Over frequency and under frequency protection	■
		Phase sequence protection	■
	Current (A)	Phase current and neutral line current	■
		Average phase current	■
		The maximum value of phase current and neutral line current	■
		Percentage of ground faults	■
		Interphase unbalanced current value	■
	Voltage (V)	Line voltage	■
		Phase voltage	■
		Average line voltage	■
		Average phase voltage	■
		Unbalanced line voltage, unbalanced phase voltage	■
		Phase sequence	■
		Frequency (Hz)	■
	Power	Active	□
		Reactive	□
		Apparent	□
		Power factor	□
	Electricity	Active (kWh), Reactive (kVARh), Visual (kVAh)	□
Maintenance Function	The figures record	Times of all kinds of prection of tripping	■
	MAX/MIN value record	Max/Min record of current and voltage from each phase	■
	Record	Trip ,alarm and deflection record	■
	Contact wear	Contact abrasive wear record	■
	Times of operation	The times of operation record	■
	RTC Function	Real time clock	■
	Auxiliary alarm detection function function	Auxiliary alarm detection, display the state of circuit breaker	■
	Electric operation control function	Remote electric operation control function	■
	Human and machine interaction	LED display	■
		LCD display	■
		Enter setting	■
	Communication function	Modbus RTU DL/T645	■

■ Have □ Optional

TSW8 Intelligent Circuit Breaker



TSW8-2000

Application

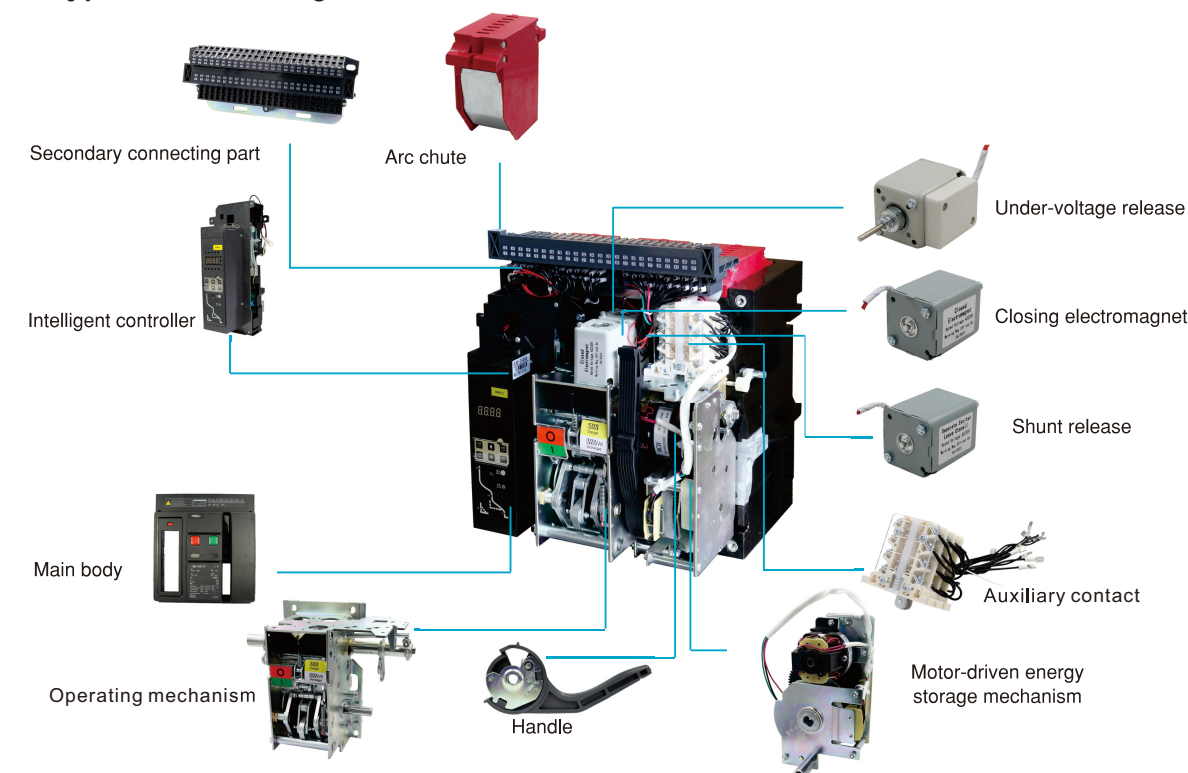
TSW8 series intelligent circuit breaker is suitable for the circuit of AC 50/60Hz with rated voltage 400V, 690V and rated current up to 6300A. It is mainly used for distribution electric energy as well as protecting circuit and power supply equipment from overload, under-voltage, short-circuit and single phase earthing. With intelligent and selective protection functions, the breaker can improve the reliability of power supply, and avoid unnecessary power failure. The breaker is applied to power stations, factories, mines (for 690V) and modern high-building, especially to the distribution system of intelligent building. The products with IEC60947-2.



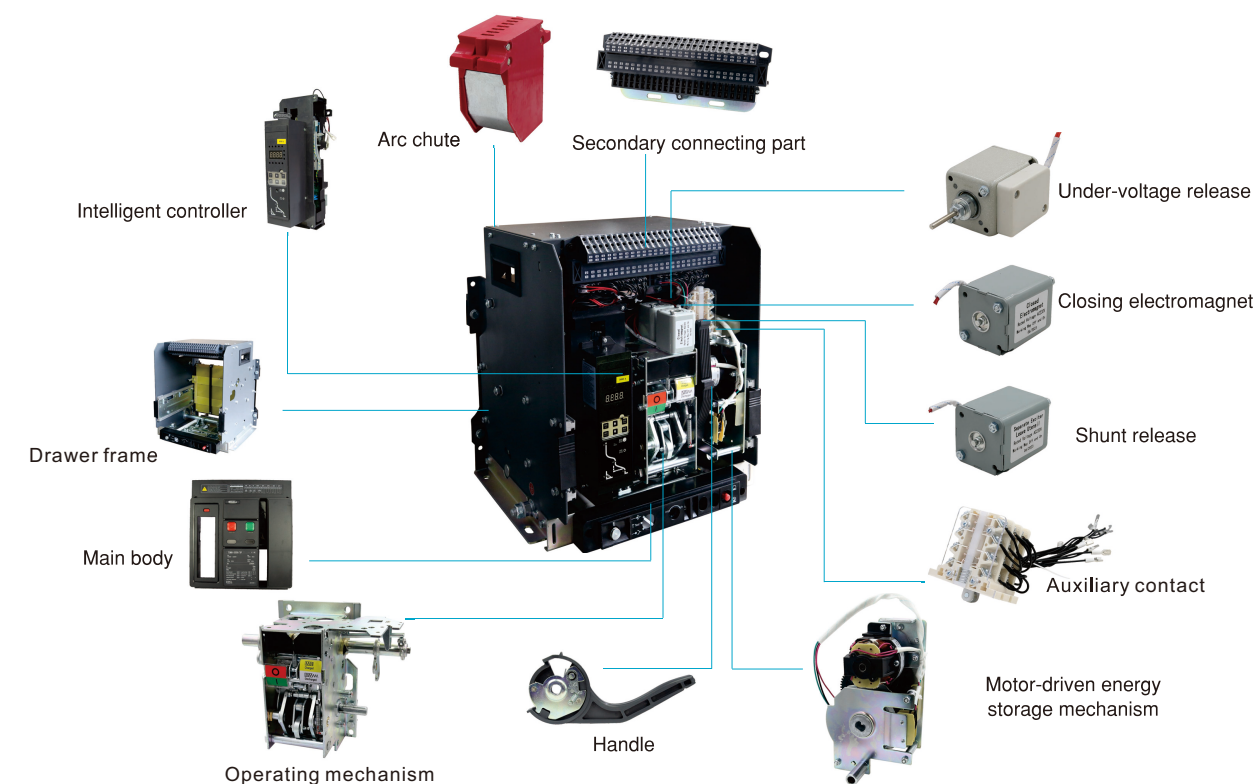
Specification

Model		TSW8-1600	TSW8-2000	TSW8-3200	TSW8-4000	TSW8-6300
Frame Rated Current Inm (A)		1600	2000	3200	4000	6300
Number of Poles		3,4	3,4	3,4	3,4	3,4
Rated Current In (A)		400,630, 800,1000, 1250,1600	630,800, 1000,1250, 1600,2000	2000,2500, 2900,3200	3600,4000	4000,5000, 6300
Icu (kA)	400V	50	65	80	80	120
	690V	35	50	65	65	85
Ics (kA)	400V	42	50	65	65	100
	690V	35	40	50	50	75
Rated Current at N-pole In (A)		100% In	100% In	100% In	50% In	50% In
Inherent Making & Breaking Time		≤30ms				
Electrical Life (times)		1500	1500	1000	500	500
Mechanical Life (times)		5000	5000	4000	2500	2500
Mounting Mode		Fixed type or Withdrawable type				
Arcing Distance (mm)		-				
Intelligent Controller		Standard type (M), telecommunication type (H)				

Fixed Type Structure Diagram



Drawer Type Structure Diagram



MP Motor Protection Circuit Breaker

Application

MP series motor protection circuit breakers are mainly used for the overload and short circuit protection of the motor in AC 50/60Hz, up to 660V, 0.1A-80A power circuit, as a full-voltage starter to start and cut off the motor, under the AC3 load or for the overload and short circuit protection of the circuit and power equipment in the power distribution network.

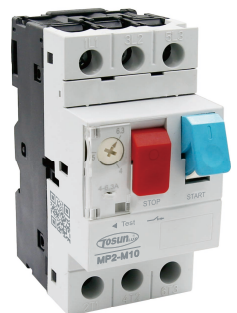
Specification

Model	Rated Standard Power of 3-phase Motors 50/60Hz in Category AC-3				Setting Range (A)	Magnetic Trip Current (A)
	230V	400V	415V	440V		
MP1 MP2	kW	kW	kW	kW		
M01	-	-	-	-	0.1-0.16	1.5
M02	-	-	-	-	0.16-0.25	2.4
M03	-	-	-	-	0.25-0.4	5
M04	-	-	-	-	0.4-0.63	8
M05	-	-	-	0.37	0.63-1	13
M06	-	0.37	-	0.55	1-1.6	22.5
M07	0.37	0.75	0.75	1.1	1.6-2.5	33.5
M08	0.75	1.5	1.5	1.5	2.5-4	51
M10	1.1	2.2	2.2	3	4-6.3	78
M14	2.2	4	4	4	6-10	138
M16	3	5.5	5.5	7.5	9-14	170
M20	4	7.5	9	9	13-18	223
M21	5.5	11	11	11	17-23	327
M22	5.5	11	11	11	20-25	327
M32	7.5	15	15	15	24-32	416

Model	Contact Type	Installation	Type
AE11	N/O+N/C	Front (1PC for each circuit breaker)	Instantaneous auxiliary contact
AE20	N/O+N/O		
AN11	N/O+N/C	Side (Max. 2PCS on the left side of circuit breaker)	
AN20	N/O+N/O		
AD1010	N/O+N/O	Side (1PC on the left side of circuit breaker)	Fault signal contact + instantaneous auxiliary contact
AD1001	(Fault)+N/C		
AD0110	N/C+N/O		
AD0101	(Fault)+N/C		



MP1



MP2



MP2-MC02

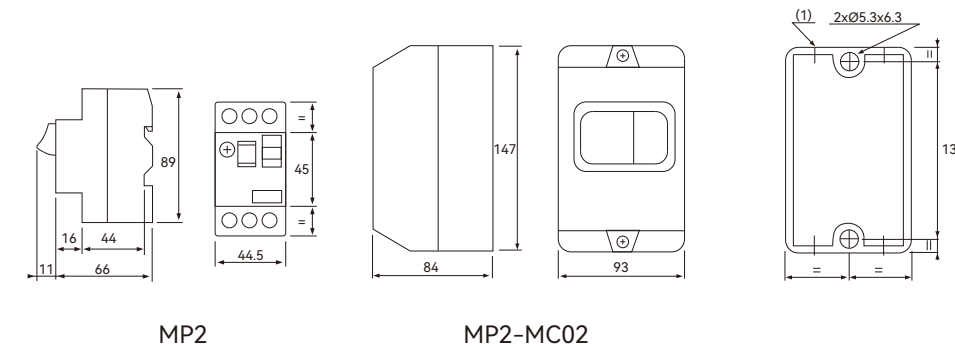
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UK
CA

Specification

Model	Voltage	Installation	Type
AU115	110...127V 50Hz	Side (1PC on the right side of circuit breaker)	Under Voltage Tripper
AU225	220...240V 50Hz		
AU385	380...415V 50Hz		
AS115	110...127V 50Hz	Side (1PC on the right side of circuit breaker)	Shunt Tripper
AS225	220...240V 50Hz		
AS385	380...415V 50Hz		

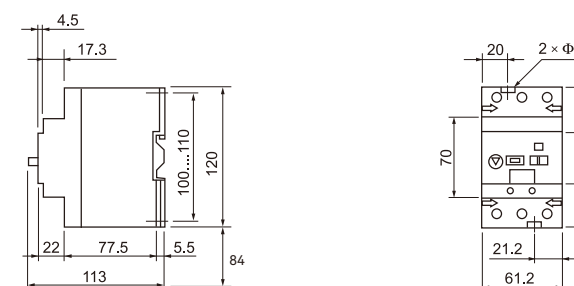
Dimensions



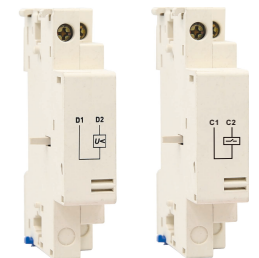
Specification

Model	Rated Standard Power of 3-phase Motors 50/60Hz in category AC-3				Setting Range (A)	Magnetic Trip Current (A)
	230V	400V	415V	440V		
	kW	kW	kW	kW		
MP3-M40	11	18.5	22	22	25-40	480
MP3-M63	15	30	33	33	40-63	756
MP3-M80	22	40	45	45	56-80	960

Dimensions



MP3



AU

AS



AE

AN

AD



MP3

TSBL Modular Alarm



TSBL

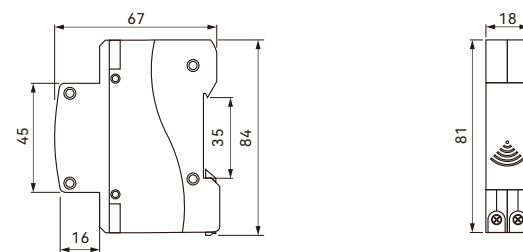
Application

The electric bell is suitable for audible signaling for intermittent use only in domestic and commercial installations.

Specification

Rated Voltage	AC 220-240V
Pollution Grade	II
Working Condition	Short-time Working
Installation	Mounting on 35mm Din Rail
Standard	IEC 60947-5-1

Dimensions



Modular Socket



TMS-5



TMS-6



TMS-7



TMS-8



TMS-9

Dual Power Automatic Changeover Switch



TSMQ7-XFZ 63/2P



TSMQ7-XFZ 63/4P

Application

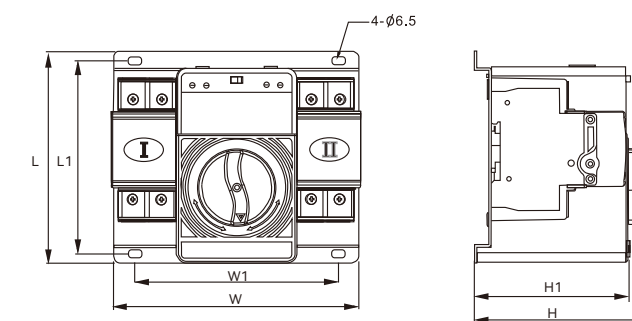
TSMQ7-XFZ dual power automatic changeover switch is suitable for dual circuit power supply system with 50/60Hz, rated working voltage up to 400V and rated current up to 63A. Automatic switching of the power between mains power and standby power ensures the reliability of power supply. The product is widely used in high rise buildings, shopping malls, fire control, smoke elimination fans, elevators, life pumps, emergency lighting, photovoltaic system and so on.

Specification

Product category	CB Class Automatic Changeover Switch
Number of Poles	2P, 3P, 4P
Rated Current	10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A
Rated Working Voltage	230/400V
Rated Insulation Voltage	690V
Rated Impulse Withstand Voltage	4kV
Rated Short Circuit Breaking Capacity	5kA
Rated Short Time Making Capacity	7.65kA
Mechanical Life (times)	4500
Electrical Life (times)	1500
Working Temperature	-5°C to +40°C

Dimensions

Model	W	W1	L	L1	H	H1
TSMQ7-XFZ/2P	155	128	135	123	110	98
TSMQ7-XFZ/3P	191	164	135	123	110	98
TSMQ7-XFZ/4P	227	200	135	123	110	98



Dual Power Automatic Changeover Switch



TSMQ1-100 2P



TSMQ1-100 4P

Application

TSMQ1-100 modular dual power automatic changeover switch is used to provide the power supply for circuit constantly when the main power supply is not available suddenly. The switch is suitable in power supply system with 50/60Hz, rated voltage up to 415V and rated up to 100A.

When the product works under automatic mode, the switch converses the circuit from the main power supply (I) to standby power supply (II) automatically in case the main supply power is off (or phase failure). When the main power supply (I) resumes to be available, the switch converses the circuit back to main power supply (I) from standby power supply (II) automatically.

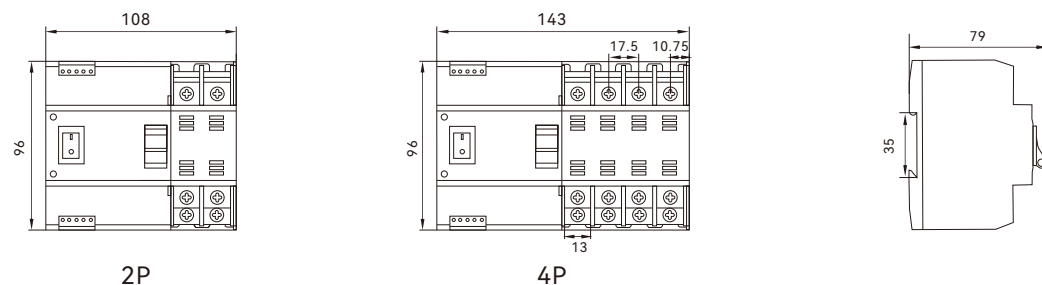
When the product works under manual mode, the changeover of circuit between main power supply (I) and standby power supply (II) should be realized manually.

The switch is characteristic of small in volume, prompt in reaction, reliable in conversion, convenient in installation and long life in service.

Specification

Number of Poles	2P, 4P
Rated Current	20A, 32A, 40A, 50A, 63A, 80A, 100A
Utilization Category	AC-33iB
Rated Working Voltage (Ue)	2P 230/240V, 4P 400/415V
Rated Insulation Voltage (Ui)	AC690V
Rated Impulse Withstand Voltage	8kV
Rated limiting Short Circuit Current	50kA
Mechanical Life	5000 times
Electrical Life	2000 times
Classification	PC class: can be manufactured and withstood without short circuit current
Control Circuit	Rated control voltage Us: AC220V, 50Hz Normal working conditions: 85%Us-110%Us
Auxiliary	Contact capacity of contact : AC220V 50Hz Ie=5y
Operation Conversion Time	<30ms
Return Conversion Time	
Power off Time	

Dimensions



TSMQ8 2P



TSMQ8 4P

Application

TSMQ8 dual power automatic changeover switch is a PC class infrequent changeover switch to provide the power supply for the circuit constantly when the mains power supply is not available suddenly. The switch is suitable in power supply system with 50/60Hz, rated voltage up to 400V and rated current up to 63A.

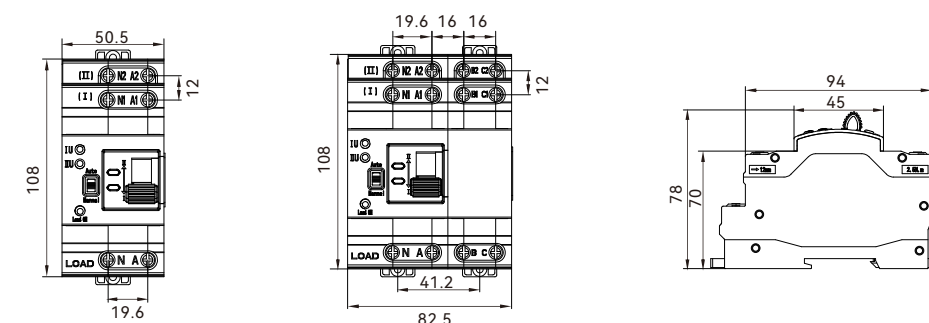
When the product works under “auto” mode, the switch converses the circuit from the mains power supply (I) to standby power supply (II) automatically in case the mains supply power is off (or phase failure). When the mains power supply (I) resumes to be available, the switch converses the circuit back to mains power supply (I) from standby power supply (II) automatically.

The switch is characteristic of being small in volume, prompt in reaction, reliable in conversion, convenient in installation, and long life in service.

Specification

Product category	PC class: can be switched on and loaded without generating short circuit current
Number of Poles	2P, 4P
Rated Current	6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A
Rated Insulation Voltage (Ui)	AC 690V
Rated Impulse Withstand Voltage (Uimp)	8kV
Rated Operating Voltage (Ue)	2P 110/220V, 4P 400V
Rated Short Circuit Current (Iq)	5kA
Short Circuit Protection Device (fuse)	NT00 63A
Rated Impulse Withstand Voltage	8kV
Control Circuit	Rated control voltage Us: AC220V/110V, 50/60Hz Normal working conditions: 85%Us-110%Us
Auxiliary Circuit	AC220V/110V 50/60Hz Ie=5A
Over voltage/Under voltage Protection Range (Return to Normal 30s)	220V Under voltage value: 175V Recovery value: 195V Over voltage value: 260V Recovery value: 240V(±5V) 110V Under voltage value: 85V Recovery value: 95V Over voltage value: 145V Recovery value: 130(±5V)
Mechanical Life	≥8000 times
Electrical Life	≥1500 times
Utilization Category	AC-31B

Dimensions



Dual Power Automatic Changeover Switch



TSMQ3-630

Specification

Product Category	PC Class Automatic Changeover Switch			
Model	TSMQ3-63	TSMQ3-125	TSMQ3-250	TSMQ3-630
Number of Poles	2P, 3P, 4P			
Rated Current	16A, 20A, 25A, 32A, 40A, 50A, 63A	20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A	160A, 200A, 225A, 250A	315A, 350A, 400A, 450A, 500A, 550A, 600A, 630A
Working Feature	3 Positions 1-0-2			
Rated Insulation Voltage	AC690V			
Rated Voltage	AC400V			
The Rated Impulse Withstand Voltage	8kV			
Utilization Category	AC-33iB			
Position Number	Double Throw			
Wiring Manner	Panel Mounting			
Short Time Withstand Current	5kA	10kA		12.6kA
Connectsub-capacity	10le	6le		6le
Mechanical Life	20000 times			4000 times
Electrical Life	6000 times			1000 times
Operating Cycle	≤60 times/h			
Accessory	Manual operating handle, partition plate			
Working Mode	R: Priority for mains power (defaulted) F: Priority for power supply from generator (optional) B: Priority for standby power II (optional) T: With communication function (optional)			



TSMQ4-125



TSMQ4-250

Specification

Product Category	PC Class Automatic Changeover Switch					
Model	TSMQ4-32	TSMQ4-63	TSMQ4-125	TSMQ4-250	TSMQ4-400	TSMQ4-630
Number of Poles	2P, 3P, 4P					3P, 4P
Rated Current	16A, 20A, 25A, 32A	40A, 50A, 63A	80A, 100A, 125A	160A,180A,200A, 225A, 250A	250A, 315A, 400A	500A, 630A
Working Feature	2 Positions 1-2					
Rated Control Current	5A			7A		
Rated Short Circuti Current	10kA					
The Rated Impulse Withstand Voltage	8kV					
Utilization Category	AC-33B					
Mechanical Life	20000 times			17000 times		
Electric Life	6000 times			6000 times		
Operating Cycle	≤360 times/h					
Working Mode	R: Priority for mains power (defaulted) F: Priority for power supply from generator (optional)			B: Priority for standby power II (optional) T: With communication function (optional)		

TSMQ2 Intelligent Dual Power Changeover Switch



TSMQ2-225

Application

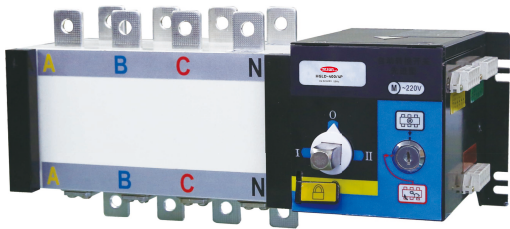
TSMQ2 intelligent dual power changeover switch is suitable for electrical system with AC 50/60Hz, rated working voltage up to 400V, rated working current 100A-400A. The items are widely used in varieties of residence community, military installations, hospital, shopping mall, airports etc.

This product consists of microcomputer controller and switching changeover device which includes the function: auto control switch, manual control switch, common switching on indicator, emergency switching on indicator, mechanical and electrical dual interlocking and so on. There are three state positions for the users to choose: common power (N) switching on, double off and emergency power (R) switching on.

Specification

Model	Applicable Circuit Breaker	Rated Working Current (A)	Conversion Action Time (s)	Utilization Category	Mechanical Life (times)	Electrical Life (times)	Rated Short-circuit Impulse Withstand Voltage (Uimp)	Rated Short-circuit Breaking Capacity Icu (kA)
TSMQ2-100	TSM2 series 3P, 4P	100	≤5	AC-33iB	5000	1000	8kV	10
TSMQ2-225		100,125,160, 200,225	≤5		5000	1000		15
TSMQ2-400		225,250,315, 350,400	≤6		3000	1000		25

HGLD Dual Power Automatic Changeover Switch



HGLD-400A 4P

Application

HGLD series dual power automatic changeover switch is suitable in electrical system with AC 50/60Hz, rated insulation voltage up to 1000V, rated voltage up to 440V, conventional heat current up to 3200A. The items are widely used in varieties of hospital, building, bank, airport, coal mine, telecom, freeway, military installations etc.

Specification

Rated heating current (A)		100	160	250	400	630	1000	1250	1600	2000	2500	3200
Rated insulation voltage		750V					1000V					
Rated impulse withstand voltage		8kV					12kV					
Rated working current (A)	AC-31A	100	160	250	400	630	1000	1250	1600	2000	2500	3200
	AC-35A	100	160	250	400	630	1000	1250	1600	2000	2500	3200
	AC-33A	100	160	250	400	630	1000	1250	1600	2000	2500	3200
Rated short-term withstand current		7kA	9kA		13kA		50kA			55kA		
Rated limited short circuit current		100kA			70kA		100kA	120kA		80kA		
Control power supply voltage		DC24V, 48V, 110V, AC220V										
Conversion time (s)		0.5	1	1.1	1.2		1.25			2.45		

HGLZ Dual Power Changeover Switch



HGLZ-160/4

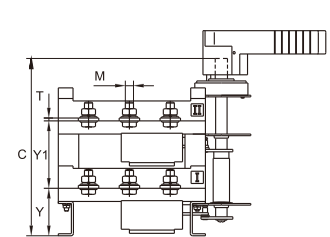


HGLZ-630/3

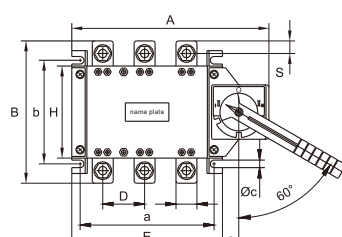
HGLZ-160~1600 Overall Mounting Dimension

Model	Overall Dimension						Mounting Dimension				Terminal Dimension				
	A	B	C	D	E	H	a	b	Φc	e	R	S	T	Y1	M
HGLZ-160/3	195	135	196	36	140	85	120	65	5.5	20	20	10	3.5	72	8
HGLZ-160/4	225	135	196	36	170	85	150	65	5.5	20					
HGLZ-250/3	235	170	215	50	180	110	160	90	5.5	20	25	15	3.5	82	10
HGLZ-250/4	285	170	215	50	230	110	210	90	5.5	20					
HGLZ-400/3	300	240	278	65	230	160	210	140	7	35	32	17	5	114	10
HGLZ-400/4	360	240	278	65	290	160	270	140	7	35					
HGLZ-630/3	300	260	278	65	230	160	210	140	7	35	40	20	6	114	12
HGLZ-630/4	360	260	278	65	290	160	270	140	7	35					
HGLZ-1000/3	473	312	380	120	378	200	353	230	9	40	60	20	8	156	12
HGLZ-1000/4	593	312	380	120	498	200	473	230	9	40					
HGLZ-1250/3	473	356	380	120	378	200	353	230	9	40	80	20	8	156	12
HGLZ-1250/4	593	356	380	120	498	200	473	230	9	40					
HGLZ-1600/3	473	356	380	120	378	200	353	230	9	40	80	20	10	156	12
HGLZ-1600/4	593	356	380	120	498	200	473	230	9	40					

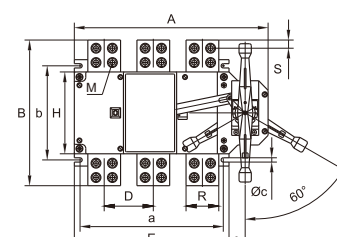
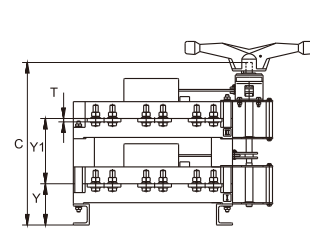
Note: The hole size of wiring board is corresponding to HGLZ.



HGLZ-160~630



HGLZ-1000~1600

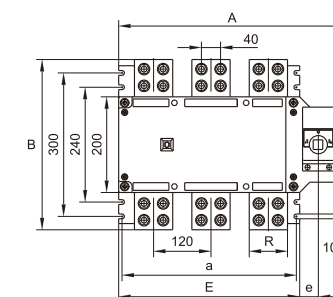


HGLZ-250/4 (with Extended handle)

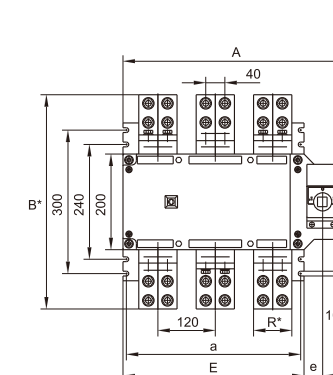
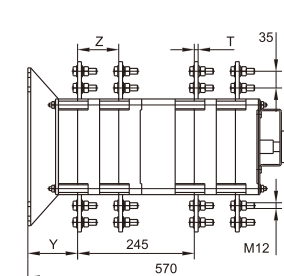
HGLZ-2000~3200 Overall Mounting Dimension

Model	Overall Mounting Dimension					Mounting Dimension			
	A	B/B*	E	a	e	R/R*	T/T*	Y/Y*	Z/Z*
HGLZ-2000/3	473	356/502	378	350	40	80/80	8/10	98/85	88/115
HGLZ-2000/4	593	356/502	498	470	40				
HGLZ-2500/3	473	356/502	378	350	40	80/80	8/12	98/85	88/115
HGLZ-2500/4	593	356/502	498	470	40				
HGLZ-3200/3	473	356/502	378	350	40	80/100	10/15	99/83	88/120
HGLZ-3200/4	593	356/502	498	470	40				

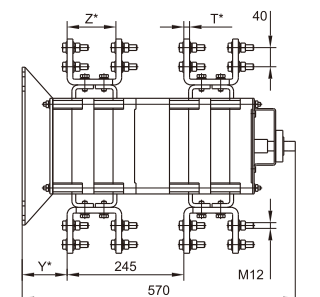
Note: "*" is the size for products with connecting copper.



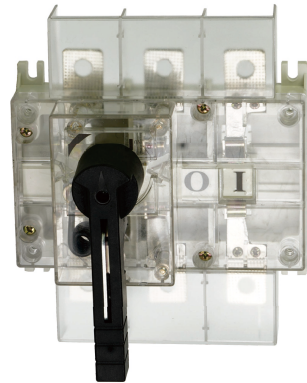
HGLZ-2000~3200 without connecting copper



HGLZ-2000~3200 with connecting copper



HGL Isolating Switch



HGLB-250A 3P
transparent case



HGL-160A 4P

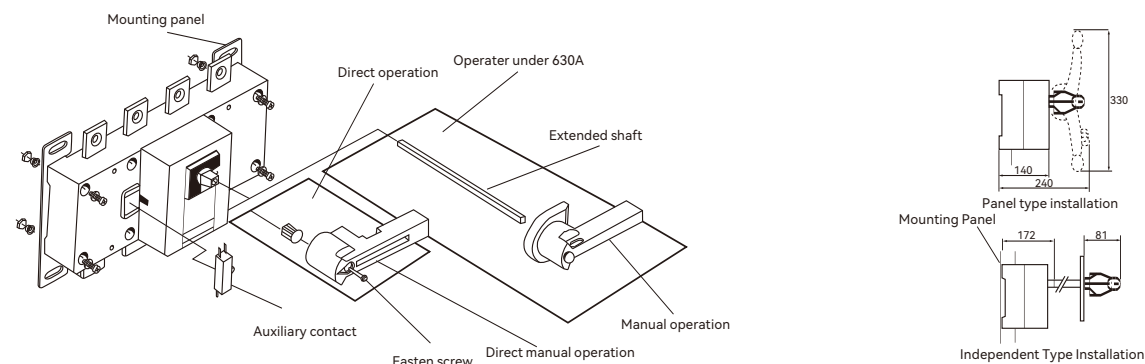
Application

The products are suitable for making and breaking power turn-circuit of voltage 415V, frequency 50/60Hz, rated current up to 1600A, acting as power switch, isolating switch and emergency switch. HGL operates with high efficiency, safety and reliability, complying with IEC60947-3. Rotational operation and direct mechanical connection between handle and moving contact, on-off handle makes contact break and indicating place of contact. Panel and independent type installation are fitted with HGL.

Specification

Conventional Heat Current Ith(A)			160	250	400	630	1000	1250	1600	2500	3200
Rated Insulation Voltage (Ui)			800V			1000V					
Dielectric Strength			3000V			3500V					
Rated Impulse Withstand Voltage			8kV			12kV					
Rated Working Voltage			AC 400-660V								
Utilization category			AC-21, 22, 23								
Rated Working Current Ie (A)	AC400V	AC-21	160	250	400	630	1000	1250	1600	2500	3200
		AC-22	160	250	400	630	1000	1250	1600	2500	3200
		AC-23	160	250	400	630	800	1000	1250	2000	2500
Rated Making Capacity (A Rms)			10Ie								
Rated Breaking Capacity (A Rms)			8Ie								
Rated Short-circuit Making Capacity Icm (kA Rms)			12	17	30	40	70			100	
1s Short-time Withstand Current (A Rms)			10	12	20	25	50			70	
Mechanical Life (times)			5000		3000		2000			1000	
Electric Life (times)			1000		600		300			/	

Configuration



HR17 Fuse Switch Disconnecter



HR17-160 3P



HR17-250 3P

Application

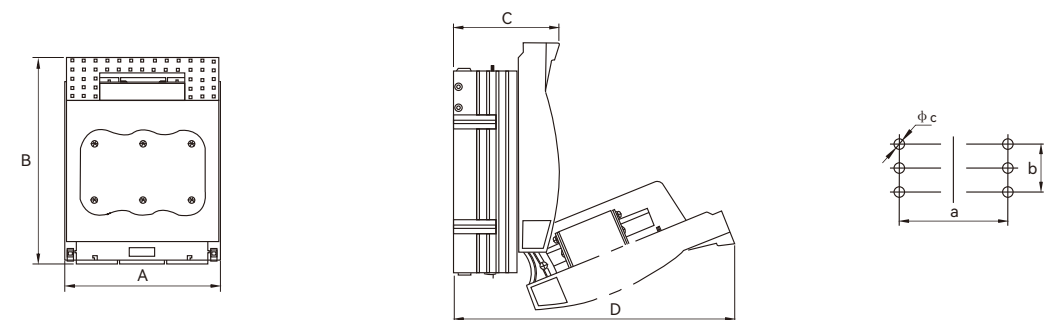
HR17 Fuse switch disconnecter is applied to the high short circuit current circuit with AC 50/60Hz, voltage up to 690V and rated working current up to 630A. It processes upper and lower end input and output structure, leads in equipment with knife-edge and arc extinguishing equipment, it also can be operated with load. It is used as power switch, isolating switch and emergency switch for overload protection and short circuit protection.

Specification

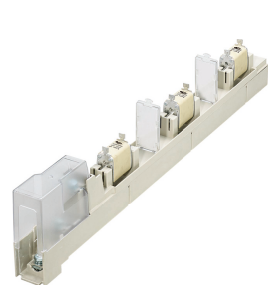
Model	Rated Working Current Ie	Rated Short Circuit Connecting Capacity Icm	Rated Limit Short Circuit Current Inc	Rated Insulated Voltage Ui	Use Type	Number of Poles	Matched Fuse Link
HR17-160	160A	1600A	50kA	690V	AC-22B	3,4	NT00
HR17-250	250A	2500A					NT1
HR17-400	400A	4000A					NT2
HR17-630	630A	6300A					NT3

Dimension

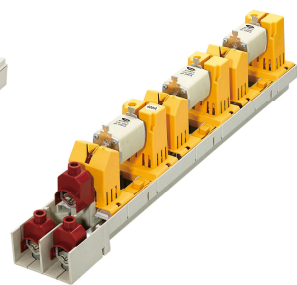
Model	Assorted Fuse	A	B	C	D	a	b	φ c
HR17-160 3P	NT00	106	200	83	205	66	25	φ 7
HR17-250 3P	NT1	185	247	110	295	114	50	φ 11
HR17-400 3P	NT2	210	290	125	340	130	50	φ 11
HR17-630 3P	NT3	256	300	145	360	162	50	φ 11
HR17-160 4P	NT00	138	200	83	205	100	25	φ 7
HR17-250 4P	NT1	242	247	110	295	172	50	φ 11
HR17-400 4P	NT2	276	290	125	340	195	50	φ 11
HR17-630 4P	NT3	340	300	145	360	243	50	φ 11



Bar Fuse Switch Disconnecter



BFD1-160



BFD1-250
(400/630)



BFD2-160



BFD2-250
(400/630/800)



BFD3-160



BFD3-250
(400/630/800)

Application

BFD series fuse switch disconnecter is integrated with initiating current transformer and fuse switch in circuit with rated working current of 160A, 250A, 400A, 630A or 800A 50/60Hz. These fuse switch disconnectors provide reliable overload and short circuit protection for distribution facility, such as cable branch box, box transformer in industrial plants, community and other infrastructure as well.

- The location of the switch installation is no more than 2000m.
- The level of environmental pollution of the switch is grade 3.
- The installation category of the switch is class III.
- The switch is installed in a place where there is no vibration or shock.
- Fuse units of BFD3 model are closed or opened integrately while fuse units under BFD2 model are operated separately only.
- The operation is safer, the core is mounted on the handle, and can be used directly as contact blades;
- Beautiful and practical, seat and body disassembly convenience, and box installation fast, convenient construction.
- Reduce wiring, easy to increase the loop. Increase the use rate of the box;
- Resin glass fiber base, V0 grade flame retardant, and the protection grade of shell can reach IP30;
- The instantaneous breaking capacity is up to 100kA, loading capacity is up to 1.3 times of rated current.
- Can add fuse monitor, signal switch and remote control module.

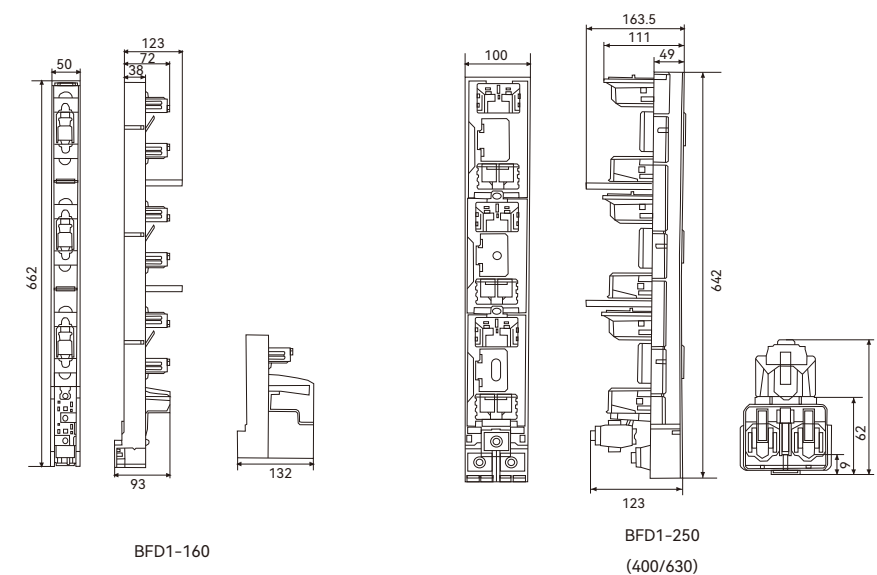
Specification

Model	BFD1-160	BFD1-250	BFD1-400	BFD1-630
Rated Operational Voltage (Ue)	690V			
Rated Operational Current (Ie)	160A	250A	400A	630A
Fuse Size	00	1	2	3
Rated Insulation Voltage (Ui)	1000V			
Rated Impulse Withstand Voltage (Uimp)	12kV			
Degree of Protection	IP30			
Mechanical Life (times)	2000			
Wire Specifications	10-95mm ²	120mm ²	240mm ²	300mm ²
Method Connecting Wire	Screw & V-Clamp			
Installation Method	Screw & Hook			
Utilization Category	AC-21B/AC-22B/AC-23B			
Standard	IEC/EN 60947-3			
Rated Breaking Capacity (Iq)	120kA			
Rated Short Time Withstand Current (Icw)	16kA/1s			
Screw Fastening	M8/M10/M12			
Ambinet Temperature	-45°C~+50°C			



BFD1-250
(400/630)

Dimensions



Bar Fuse Switch Disconnecter

Specification

Model	BFD2-160	BFD2-250	BFD2-400	BFD2-630	BFD2-800
Rated Operational Voltage (Ue)	690V				
Rated Operational Current (Ie)	160A	250A	400A	630A	800A
Fuse Size	00	1	2	3	3
Rated Insulation Voltage (Ui)	1000V				
Rated Impulse Withstand Voltage (Uimp)	12kV				
Degree of Protection	IP30				
Mechanical Life (times)	2000				
Wire Specifications	10-70mm²	120mm²	240mm²	300mm²	2x240mm²
Method Connecting Wire	Screw & V-Clamp				
Installation Method	Screw & Hook				
Utilization Category	AC-21B/AC-22B/AC-23B				
Standard	IEC/EN 60947-3				
Rated Breaking Capacity (Iq)	120kA				
Rated Short Time Withstand Current (Icw)	16KA/1s				
Screw Fastening	M8/M10/M12				
Ambinet Temperature	-45°C~+50°C				

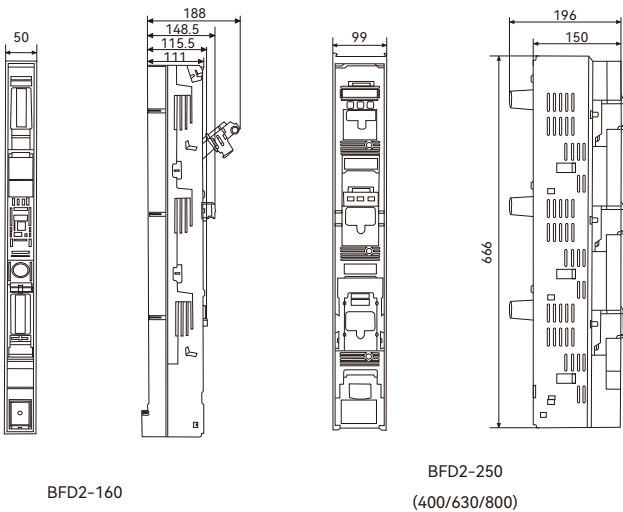
Dimensions



BFD2-160



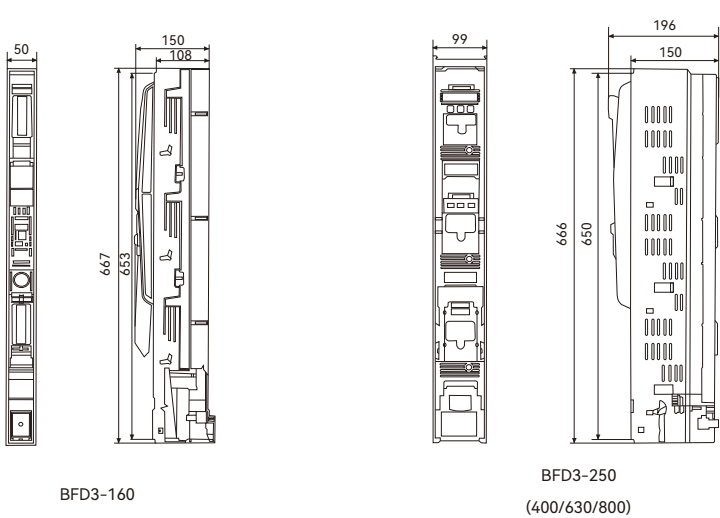
BFD2-250
(400/630/800)



Specification

Model	BFD3-160	BFD3-250	BFD3-400	BFD3-630	BFD3-800
Rated Operational Voltage (Ue)	690V				
Rated Operational Current (Ie)	160A	250A	400A	630A	800A
Fuse Size	00	1	2	3	3
Rated Insulation Voltage (Ui)	1000V				
Rated Impulse Withstand Voltage (Uimp)	12kV				
Degree of Protection	IP30				
Mechanical Life (times)	2000				
Wire Specifications	10-70mm²	120mm²	240mm²	300mm²	2x240mm²
Method Connecting Wire	Screw & V-Clamp				
Installation Method	Screw & Hook				
Utilization Category	AC-21B/AC-22B/AC-23B				
Standard	IEC/EN 60947-3				
Rated Breaking Capacity (Iq)	120kA				
Rated Short Time Withstand Current (Icw)	16kA/1s				
Screw Fastening	M8/M10/M12				
Ambinet Temperature	-45°C~+55°C				

Dimensions



BFD3-160



BFD3-250
(400/630/800)

NT Low Voltage Fuse

Application

NT low voltage fuse features light in weight, small in size, low in power loss and high in breaking capacity. This product has been widely used in overload and short circuit protection of electric installation. This product conforms to IEC60269.

Specification

Model	Fuse Link			Fuse Base	
	Rated Current (A)	Rated Voltage (V)	Rated Power Loss (W)	Model	Rated Current (A)
NT00C	6	500/660	0.81	Sist 101	160
	10		1.08		
	16		1.60		
	20		1.81		
	25		2.31		
	32		3.07		
	36		3.17		
	40		4.05		
	50		4.25		
	63		4.70		
	80		5.7		
	100		7		
NT00	6	500/660	0.89	Sist 101	160
	10		1.14		
	16		1.65		
	20		1.94		
	25		2.50		
	32		3.32		
	36		3.56		
	40		4.30		
	50		4.5		
	63		4.6		
	80		6		
	100		7.3		
	125	500	7.6		
	160		9.6		
NT0	6	500/660	1.03	Sist 160	160
	10		1.42		
	16		2.45		
	20		2.36		
	25		2.7		
	32		3.74		
	40		4.7		
	50		5.5		
	63		6.9		
	80		7.6		
	100		8.9		
	125	500	10.1		
	160		15.2		

Specification

Model	Fuse Link			Fuse Base	
	Rated Current (A)	Rated Voltage (V)	Rated Power loss (W)	Model	Rated Current (A)
NT1	80	500	6.2	Sist201	250
	100		7.5		
	125		10.2		
	160		13		
	200		15.2		
NT2	250		18.3		
	125	500	9	Sist401	400
	160		11.5		
	200		15		
	250		18.4		
	300		21		
	315		19.2		
	355		24.5		
	400		26		
NT3	315	500	21.7	Sist601	630
	355		22.7		
	400		26.8		
	425		28.9		
	500		32		
	630		40.3		
NT4	800	380	62	Sist1001	1000
	1000		75		

Model	00	0	1	2	3
In(A)	160	160	250	400	630



NT2



Fuse Puller



Knife Link (Neutral)



NT00C



NT00



NT0

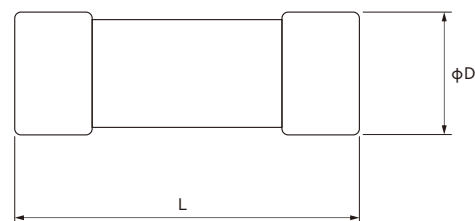
Cylindrical Fuse Link

Application

The fuse links with cylindrical contact caps are designed for protecting electrical distributing installations of rated voltage of AC 660V. with rated current up to 125A against damage due to overload and short circuit. Fuse links with the striker are supplied for the purpose of protecting motors against motor single phase operation when fitted in fuse isolators.

Specification

Model		Rated Current (A)	Rated Voltage (V)	Dimension
gL/gG aM	aR			ØD x L
RO14	-	2,4,6,10,16,20	380/500	Ø8.5 x 31.5
RO15	RS15	1,2,4,6,10,16,20,25,32		Ø10x 38
RO16	RS16	2,4,6,10,16,20,25,32,40,50,63		Ø14x 51
RO17	RS17	10,16,20,25,32,40,50,63,80,100,125		Ø22x 58
RO54	-	1,2,4,6,10,16	250	Ø5 x 20
RO55	-			Ø5 x 25
RO57	-			Ø6x 25



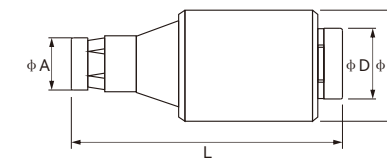
Dimension

Ø10x38	Ø14x51	Ø22x58
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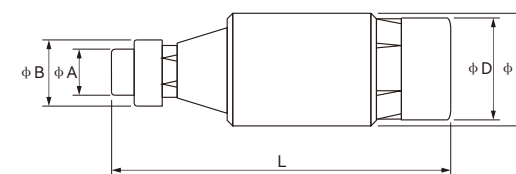
Spiral Fuse Link

Specification

Model gG	Size	Rated Current (A)	Dimension			
			ΦA	ΦC	ΦD	ΦL
RO21	DII	2,4,6	6	22	13	50
		8,10	8	22	13	50
		13	8	22	13	50
		16	10	22	13	50
		20	12	22	13	50
		25	14	22	13	50
RO22	DIII	30,35,40	16	27	20	50
		50	18	27	20	50
		63	20	27	20	50
RO24	DI	2,4,6	6	12.5	11.3	50
		10	8	12.5	11.3	50
		16	10	12.5	11.3	50
		20,25	12	12.5	11.3	50



Model gG	Size	Rated Current (A)	Dimension				
			ΦA	ΦB	ΦC	ΦD	L
RO26	D01	2,4,6	5	7.3	10.6	10	36
		10	5	8.5	10.6	10	36
		16	5	9.7	10.6	10	36
	D02	20	8.5	11	15	14	36
		25	8.5	12	15	14	36
		35	8.5	13.3	15	14	36
		50	8.5	14.5	15	14	36
		63	8.5	16	15	14	36
	D03	80	17	22	22	21	43
		100	17	25	22	21	43



Neutral link



Fuse Holder

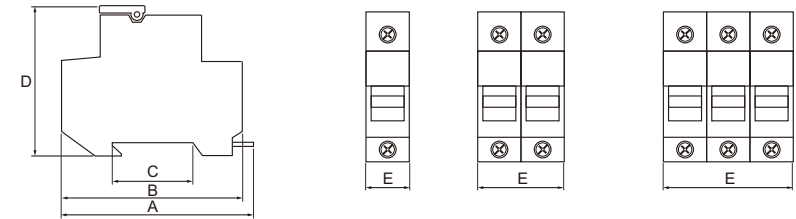
RT18



RT18-32 1P

Model	Assorted Fuse	Rated Voltage(V)	Rated Current (A)	Dimensions				
				A	B	C	D	E
RT18-32 1P	ø10 x 38	690	32	80	78	35	60	18
RT18-32 2P			32	80	78	35	60	36
RT18-32 3P			32	80	78	35	60	54
RT18-63 1P	ø14 x 51		63	98	96	35	68	26
RT18-63 2P			63	98	96	35	68	52
RT18-63 3P			63	98	96	35	68	78
RT18-32X 1P	ø10 x 38		32	80	78	35	60	18
RT18-32X 2P			32	80	78	35	60	36
RT18-32X 3P			32	80	78	35	60	54
RT18-63X 1P	ø14 x 51		63	98	96	35	68	26
RT18-63X 2P			63	98	96	35	68	52
RT18-63X 3P			63	98	96	35	68	78

Dimensions

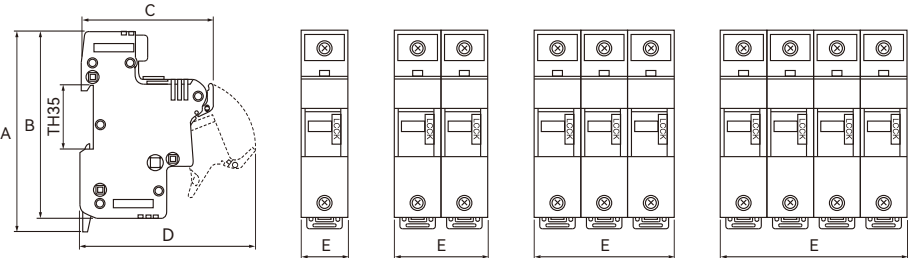


RT18-63X 1P

RT18L

Model	Matched Fuse Link	Rated Voltage (V)	Rated Current (A)	Dimensions				
				A	B	C	D	E
RT18L-63 1P	ø14 x 51	690	63	110	108	78	100	27
RT18L-63 2P				110	108	78	100	54
RT18L-63 3P				110	108	78	100	81
RT18L-63 4P				110	108	78	100	108
RT18L-125 1P	ø22 x 58		125	127	125	78	104	36
RT18L-125 2P				127	125	78	104	72
RT18L-125 3P				127	125	78	104	108
RT18L-125 4P				127	125	78	104	144

Dimensions



RT18L-125 1P