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CHYT

ZHEJIANG DABO ELECTRIC CO., LTD.



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PHOTOVOLTAIC CIRCUIT BREAKER



CHYT

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**SPECIALIZED IN MANUFACTURING
SOLAR ELECTRICAL COMPONENTS**



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SOLAR DISTRIBUTION SOLUTIONS
INNOVATION TECHNOLOGY



ZHEJIANG DABO ELECTRIC CO., LTD. is a professional solar PV electric components manufacturer located in Yueqing City, China. We're specialized in DC circuit breakers, Surge Protective Devices, PV fuses, isolator switches, MC4 connectors etc.

Our experience of working in the electrical industry for more than 10 years allows us to create solar DC components that comply with the latest DC standards. We can assure you perfect quality and excellent service.

We're looking forward to having a good-long term cooperaton with you and your company.

ABOUT US

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Application

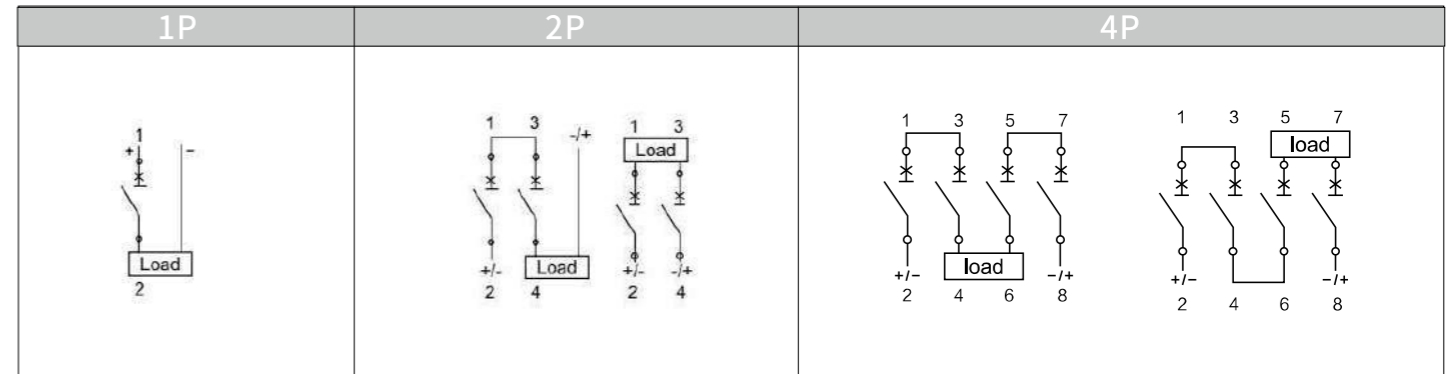
NBL7-63 DC MCB supplementary protectors are designed to provide over-current protection within appliances or electrical equipment, where a branch circuit protection is already provided or not required. Devices are designed for direct current (DC) control circuit applications.



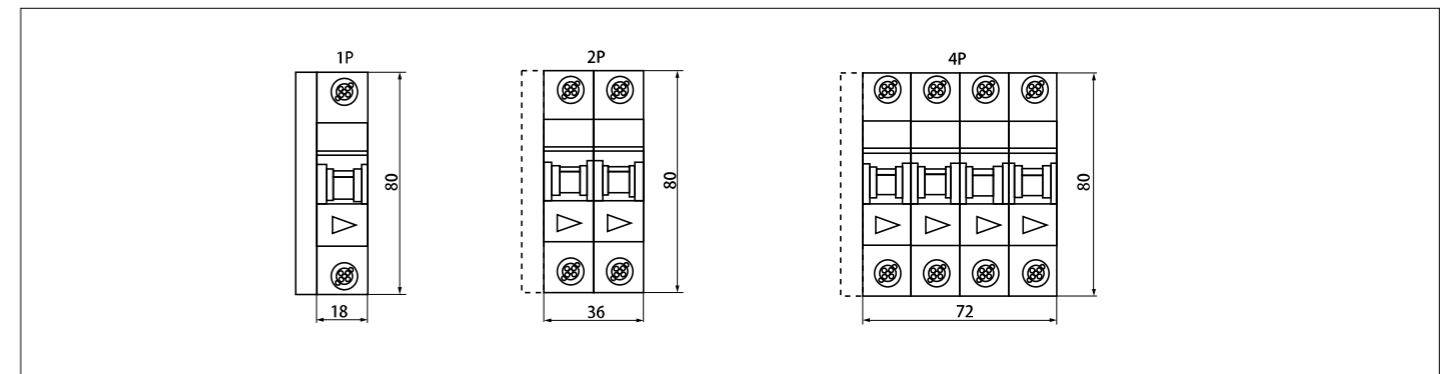
Specifications

Product Model	NBL7-63			
Pole	1P	2P	4P	
Frame Current	63A			
Rated Current	In	6, 10, 16, 20, 25, 32, 40, 50, 63A		
Rated Working Voltage	Ue(DC)	300V	500/600/1000V	1000V
Rated Insulation Voltage	Ui	1200V		
Rated Impulse Withstand Voltage	Uimp	6kV		
Breaking Capacity	Icu	6KA		
Tripping Characteristic	C			
Tripping Type	Thermal Magnetic			
Electrical Life	Actual	500 Cycles(63A Frame)		
	Standard	300 Cycles		
Mechanical Life	Actual	10000 Cycles(63A Frame)		
	Standard	9700 Cycles		
Overvoltage Category	III			
Pollution Degree	3			
Ingress Protection	IP40; Wiring Port IP20			
Resistance To Humidity And Heat	Class 2			
Terminal Capacity	2.5-35mm ²			
Fastening Torque Of Terminals	2.0-3.5Nm			
Ambient Temperature	-30°C ~ +70°C			
Storage Temperature	-40°C ~ +85°C			
Installation Method	DIN			
Standard	IEC60947-2			

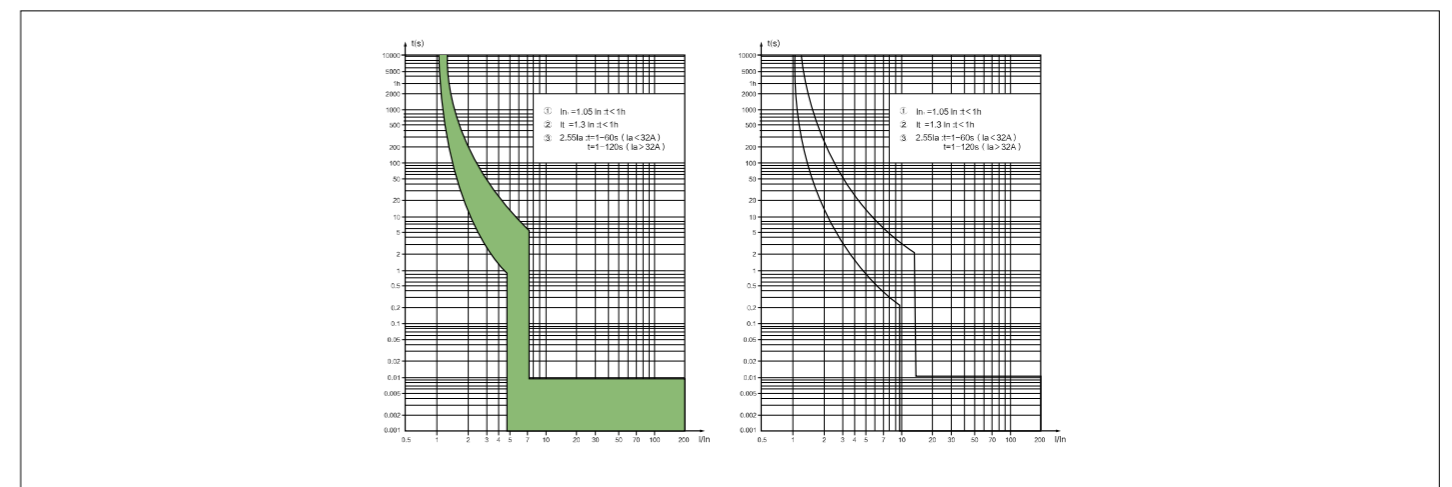
Wiring diagram



Dimension



Tripping Characteristic



Application

NBT2-125DC high breaking capacity circuit breaker is specially for solar PV system. The current is from 63A to 125A and voltage up to 1000VDC. Standard according to IEC/EN60947-2.



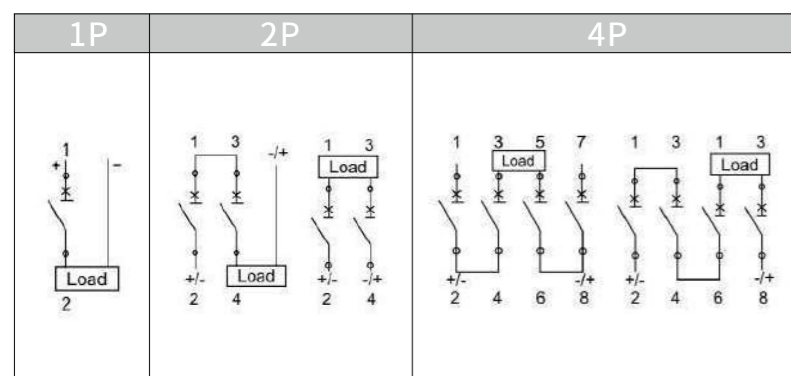
Specifications

Product Model	NBT2-125DC		
Pole	1P	2P	4P
Rated Current (A)	100, 125	100, 125	80, 100, 125
Rated Voltage (Vdc)	300	600	1000
Breaking Capacity(kA)	10		
Characteristic Curve	C		
Working Temperature	-5°C ~ +40°C		
Enclosed Class	IP20		
Standard	IEC60947-2		
Electrical Life	Not less than 8000 times		
Mechanical Life	Not less than 20000 times		

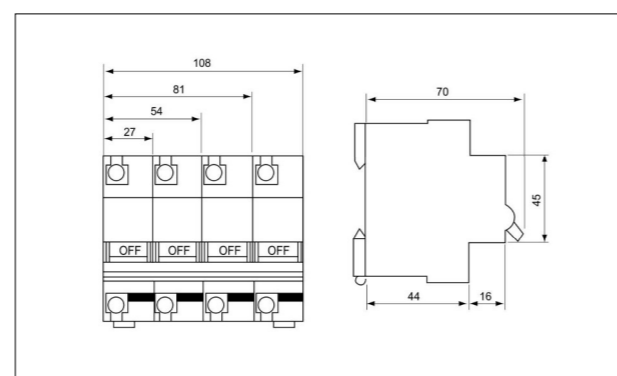
Features

1. Overload and the short circuit protection function
2. Rated short circuit breaking capacity up to 6kA
3. Non-polarity and Polarity both available
4. Rated Current In up to 125A
5. Rated Voltage up to 1000V
6. Designed for PV, energy storage and other DC applications
7. AS 60947.3:2018 and IEC60947.1:2015 standard
8. 2 years warranty, product insurance, and recall insurance available

Wiring diagram



Dimension



Application

YTTM1 series Moulded Case Circuit Breaker is designed to distribute power and protect the circuit and power equipment against overload in solar system. It is apply to rating current 1250A or less, direct current rating voltage 1500V or less. Products according IEC60947-2, GB14048.2 standard. YTTM1 series Moulded Case Circuit Breaker is designed to distribute power and protect the circuit and power equipment against overload in solar system. It is apply to rating current 1250A or less, direct current rating voltage 1500V or less. Products according IEC60947-2, GB14048.2 standard.



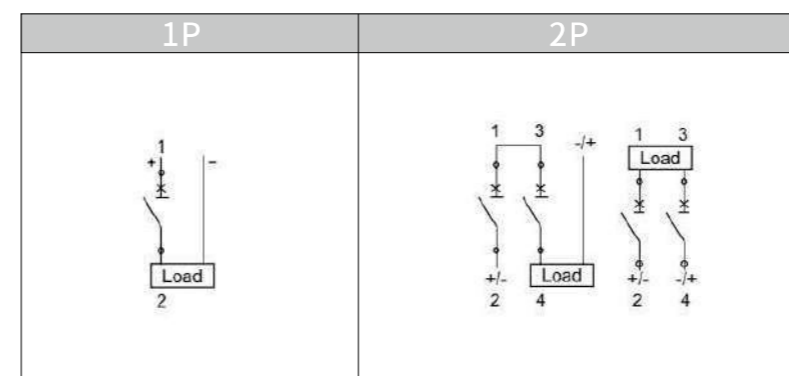
Specifications

Product Model	YTTM1-250/PV2	
Pole	1P	2P
Colour	White	
Rated Working Voltage(Vdc)	250	160, 200, 250
Rated Insulated Voltage(Vdc)	250	550
Breaking Capacity(kA)	1500	
Limiting Short Circuit Breaking Capacity(kA)	25	
Operating Short Circuit Breaking Capacity(kA)	19	
Characteristic Curve	C	
Standard	IEC60947-2	

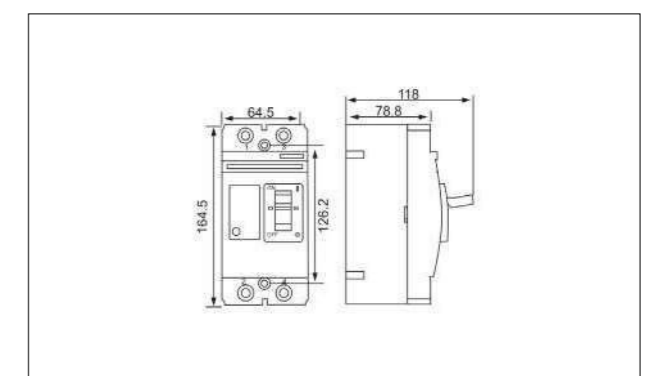
Features

1. High Breaking Capacity, reliable insulating
2. Over load protection and short-circuit protection
3. Frequency operating and isolating

Wiring diagram



Dimension



Application

Surge protective device, protect against lightning surge voltages in solar system (photovoltaic power supply system). These units must be installed in parallel on the dc networks to be protected and provide common and different modes protection. Its installed location are recommended at both ends of the dc power supply line (solar panel side and inverter/converter side), especially if the line routing is external and long. High energy MOVs equipped with specific thermal disconnectors and related failure indicators.



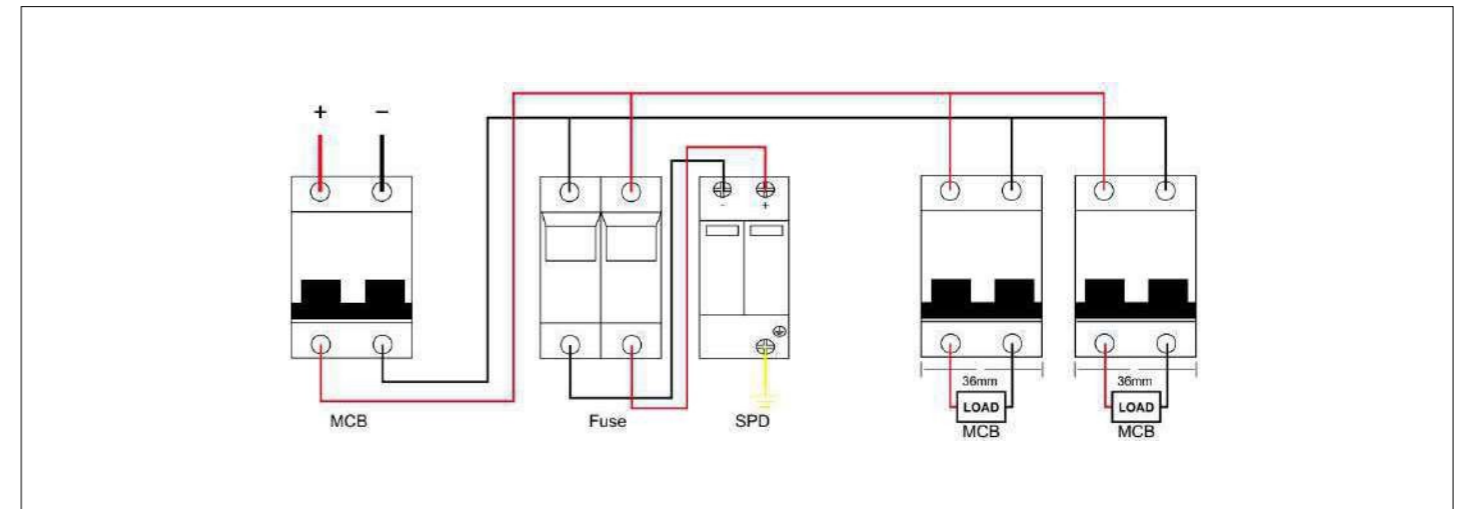
Specifications

Product Model	YTTS1-PV			
Pole	2P		3P	
Rated Frequency	One port			
SPD Category	Combined type			
Test Category	Class II test			
Colour	Green	White	Green	White
Maximum Continuous Operating Voltage U _c	600VDC 1000VDC		1000VDC 1500VDC	
Voltage Protection Level U _p (8/20μs)	≤2.2kV		≤3.2kV	
Nominal Discharge Current I _n (8/20μs)	20kA		20kA	
Maximum Discharge Current I _{max} (8/20μs)	40kA		40kA	
Response Time t _A	≤25ns			
Size	36x90x66		54x90x66	
Failure Indication	Green: Normal Red: Failure			
Sectional Area Of Wires	6~25mm ²			
Installation Method	35mm standard rail			
Working Environment Temperature	-40°C ~ +85°C			
Sheathing Material	Plastic			
Protection Level	IP20			
Executive Standard	IEC 61643-31			

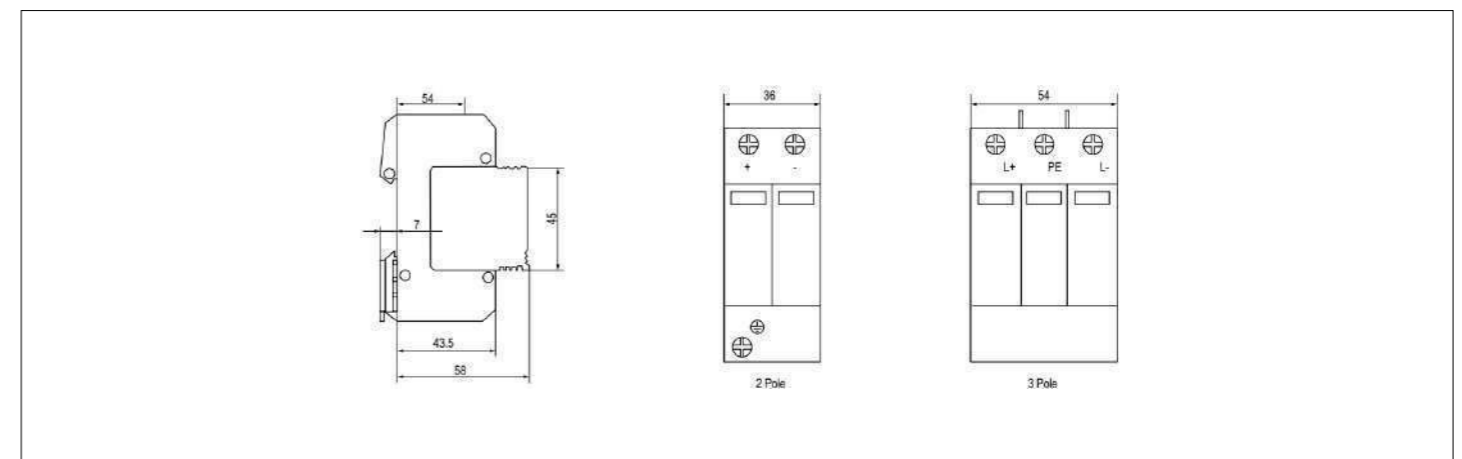
Features

1. Type 2 surge protective device for Photovoltaic.
2. Module design, convenient installation, could be replaced.
3. Time of response <25ns.
4. The color of visible window shows operating status, green means normal, red
5. No leakage, no operating currents.
6. Remote Signaling (option).

Wiring diagram



Dimension



Application

Surge protective device, protect against lightning surge voltages in solar system (photovoltaic power supply system). These units must be installed in parallel on the dc networks to be protected and provide common and different modes protection. Its installed location are recommended at both ends of the dc power supply line (solar panel side and inverter/converter side), especially if the line routing is external and long. High energy MOVs equipped with specific thermal disconnectors and related failure indicators.



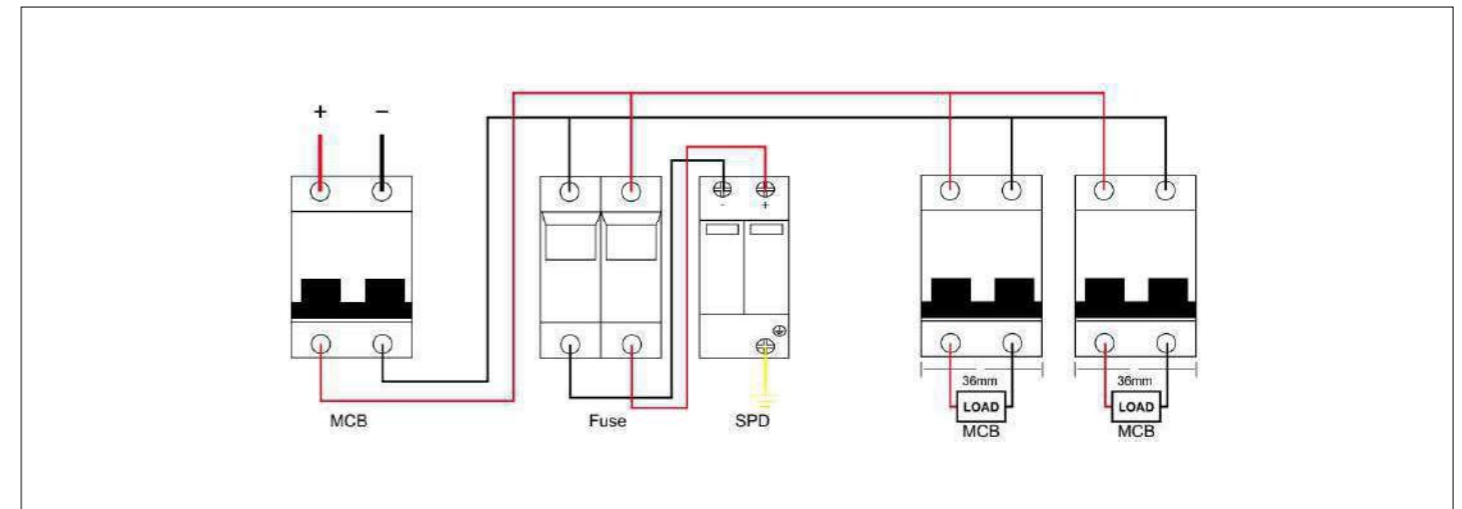
Specifications

Product Model	ESP-D40	
Pole	2P	3P
Rated Frequency	One port	
SPD Category	Combined type	
Test Category	Class II test	
Colour	Green	
Maximum Continuous Operating Voltage U _c	600VDC 1000VDC	1000VDC 1500VDC
Voltage Protection Level U _p (8/20μs)	≤2.8kV	≤3.5kV
Nominal Discharge Current I _n (8/20μs)	20kA	20kA
Maximum Discharge Current I _{max} (8/20μs)	40kA	40kA
Response Time t _A	≤25ns	
Size	36x90x66	54x90x66
Failure Indication	Green: Normal Red: Failure	
Sectional Area Of Wires	6~25mm ²	
Installation Method	35mm standard rail	
Working Environment Temperature	-40°C ~ +85°C	
Sheathing Material	Plastic	
Protection Level	IP20	
Executive Standard	IEC 61643-31	

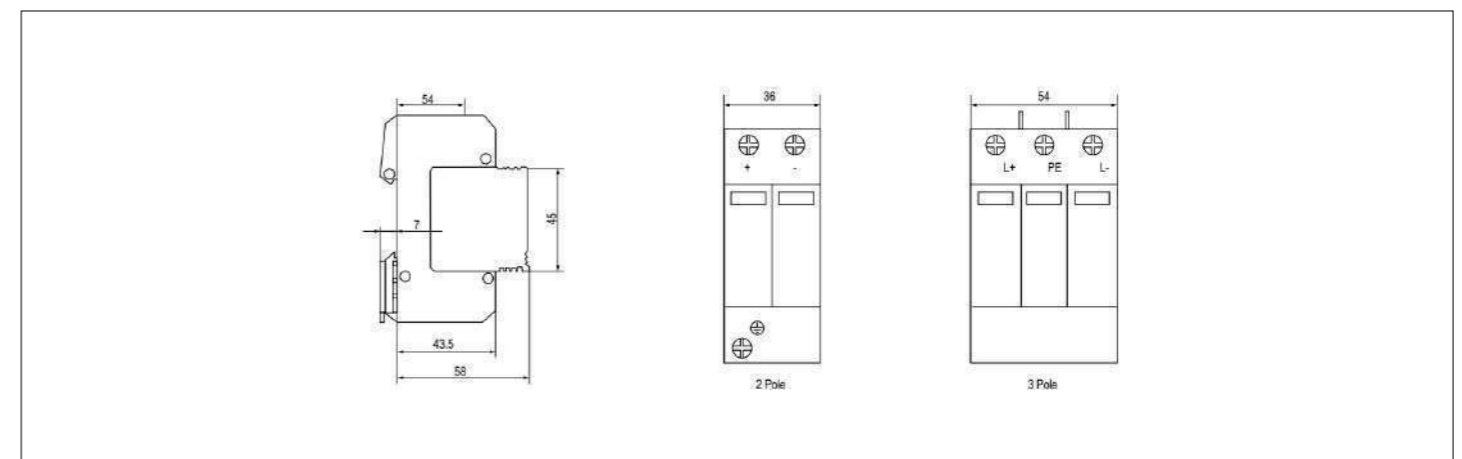
Features

1. Type 2 surge protective device for Photovoltaic
2. Module design, convenient installation, could be replaced
3. Time of response <25ns
4. The color of visible window shows operating status, green means normal, red
5. No leakage, no operating currents
6. Remote Signaling (option)

Wiring diagram



Dimension



Application

YTTS1-PV1/2 is a Type 1+2 surge protector specially designed for photovoltaic power generation, it is installed at the outlet of photovoltaic panels with high risk of direct lightning strike, it is suitable for photovoltaic system protection with DC voltages of 1000V and 1500V.



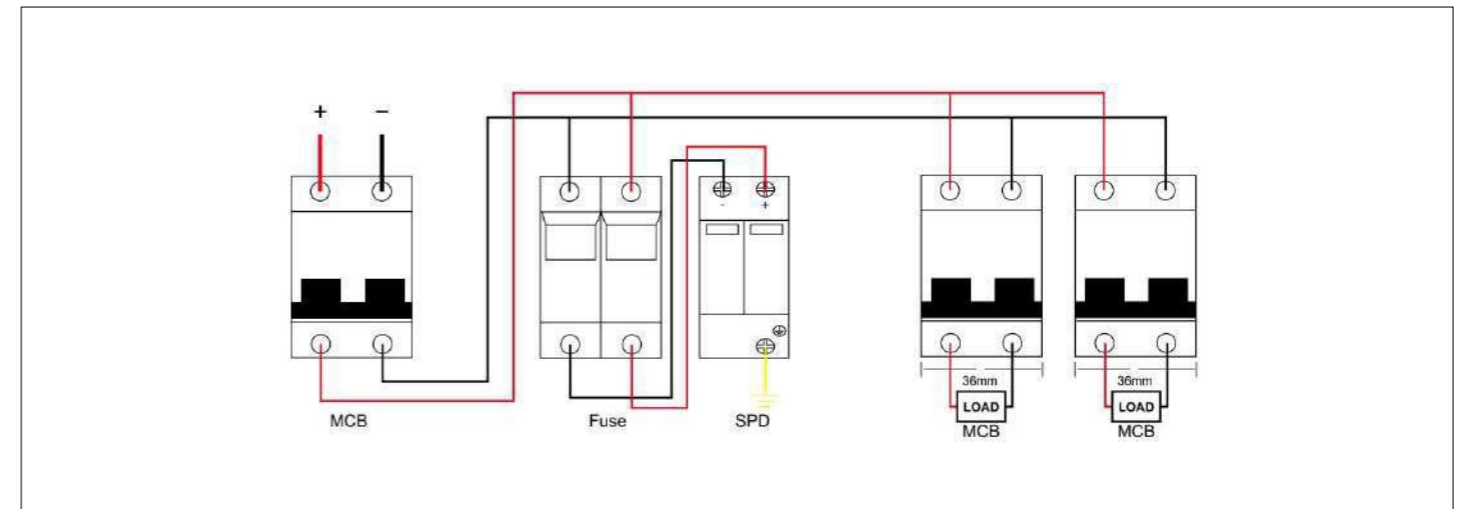
Specifications

Product Model	YTTS1-PV1/2	
Pole	2P	3P
Rated Frequency	One port	
SPD Category	Combined type	
Test Category	Class I+II test	
Colour	White	
Maximum Continuous Operating Voltage Uc	600VDC	1000VDC
Voltage Protection Level Up(8/20μs)	≤2.2kV	≤4.0kV
Nominal Discharge Current In(8/20μs)	20kA	20kA
Maximum Discharge Current I _{max} (8/20μs)	40kA	40kA
Impulse current I _{imp} (10/350μs)	12.5kA	12.5kA
Response Time tA	≤25ns	
Size	36x90x80	54x90x80
Failure Indication	Green: Normal Red: Failure	
Sectional Area Of Wires	6~25mm ²	
Installation Method	35mm standard rail	
Working Environment Temperature	-40°C ~ +85°C	
Sheathing Material	Plastic	
Protection Level	IP20	
Executive Standard	IEC 61643-31	

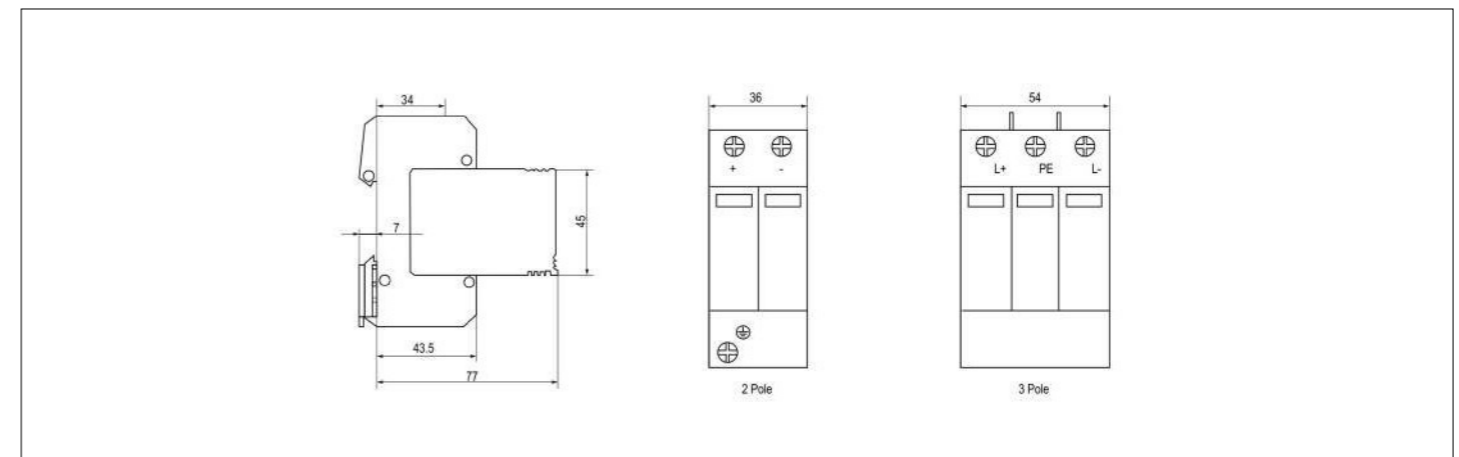
Features

1. Type 1+2 surge protective device for Photovoltaic
2. Module design, convenient installation, could be replaced
3. Time of response <25ns
4. The color of visible window shows operating status, green means normal, red means abnormal.
5. No leakage, no operating currents
6. Remote Signaling (option)

Wiring diagram



Dimension



Application

YTPV-32 series Fuse Holder and Fuse is made of refractory material, which meets the standard of EN/IEC 60947-3 & 60269-6. The maximum rated voltage is 1000V and the maximum current is 32A. As a short circuit and over-current protector, it is widely used in the high and low voltage distribution system, control system, and electrical equipment, like distribution box and inverter.



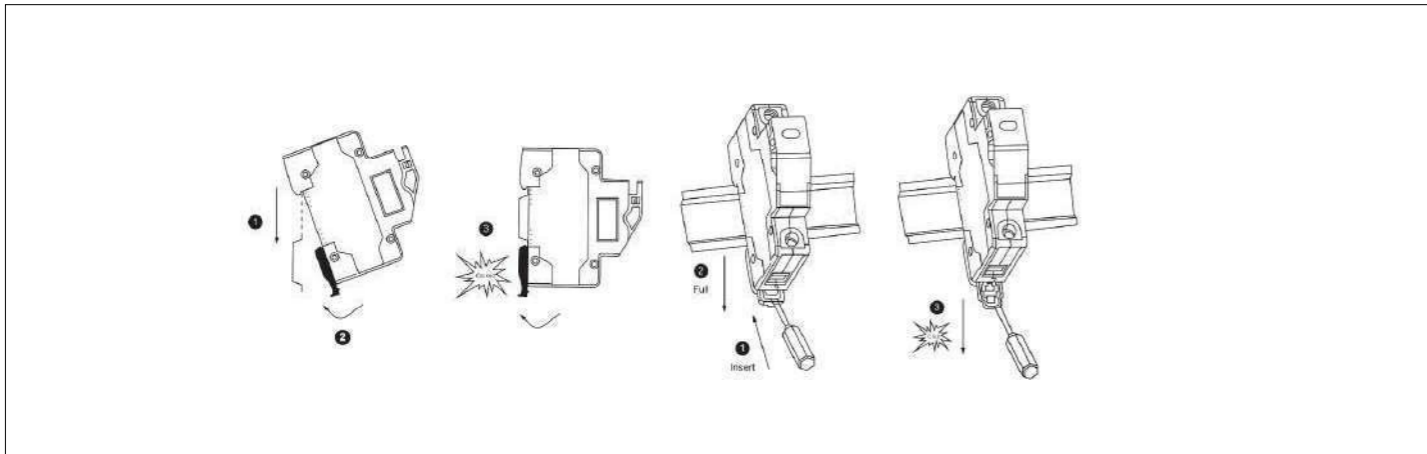
Specifications

Product Model	YTPV-32
Pole	1P
Colour	White/Green
Rated Current (A)	1A, 2A, 3A, 4A, 5A, 6A, 8A, 10A, 12A, 15A, 20A, 25A, 30A, 32A
Rated Voltage(V DC)	1000
Installation	Rail installation
Fuse link size(mm) ²	10*38

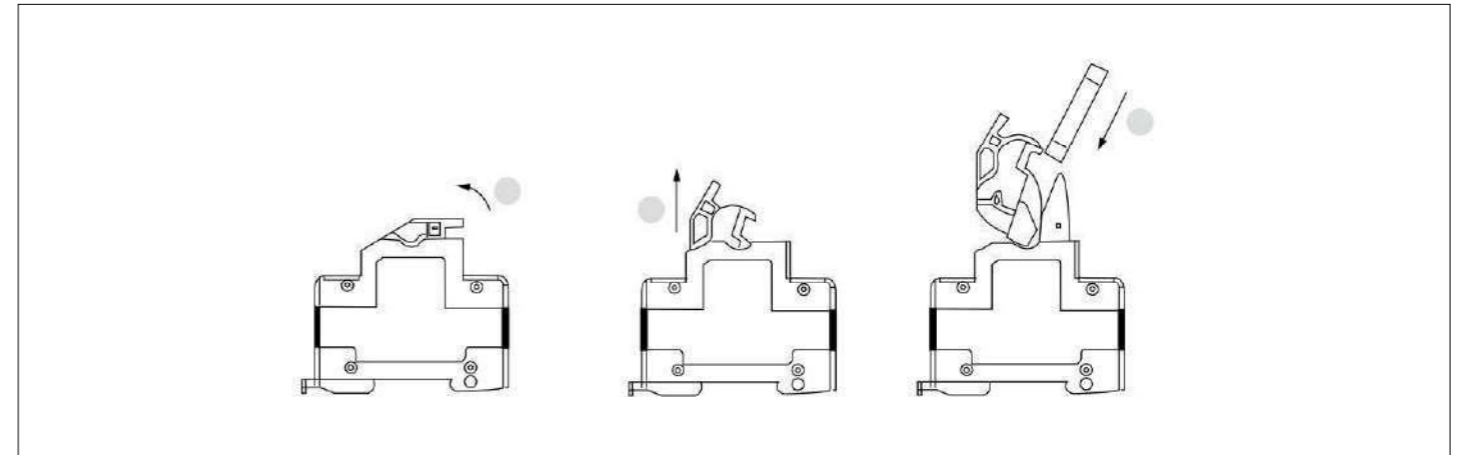
Features

1. Din35 Rail Installation, Easy to Install
2. Adjustable terminal block, Wiring firm
3. Fire-retardant shell, high temperature resistance
4. Flexible installation, Easy to replace

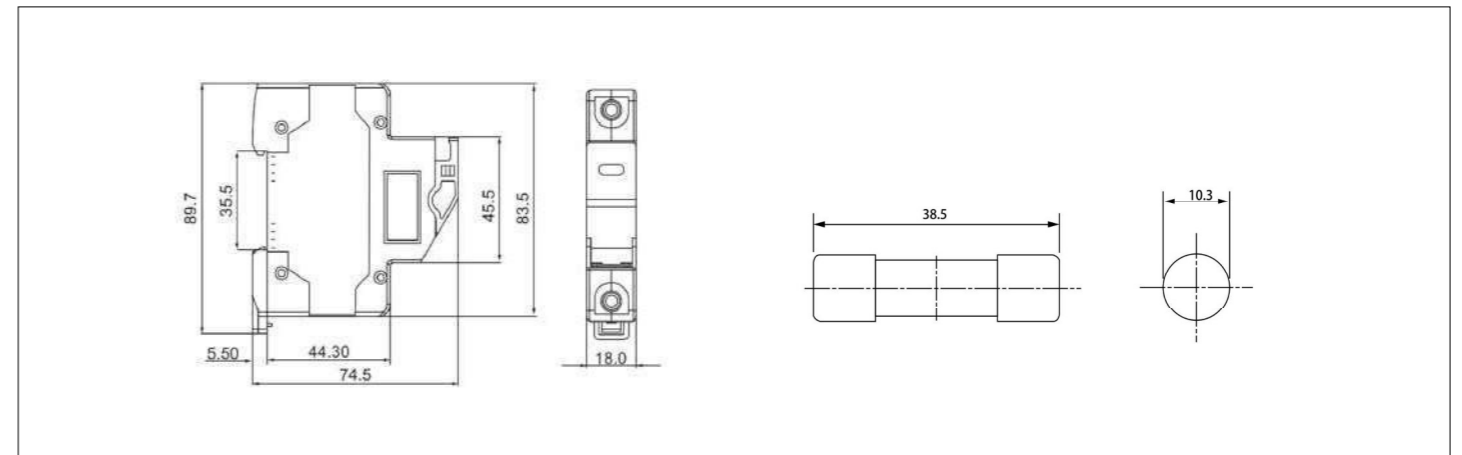
Installation



Replacement fuse



Dimension



Application

YTPV-32 series Fuse Holder and Fuse is made of refractory material, which meets the standard of EN/IEC 60947-3 & 60269-6. The maximum rated voltage is 1000V and the maximum current is 32A. As a short circuit and over-current protector, it is widely used in the high and low voltage distribution system, control system, and electrical equipment, like distribution box and inverter.



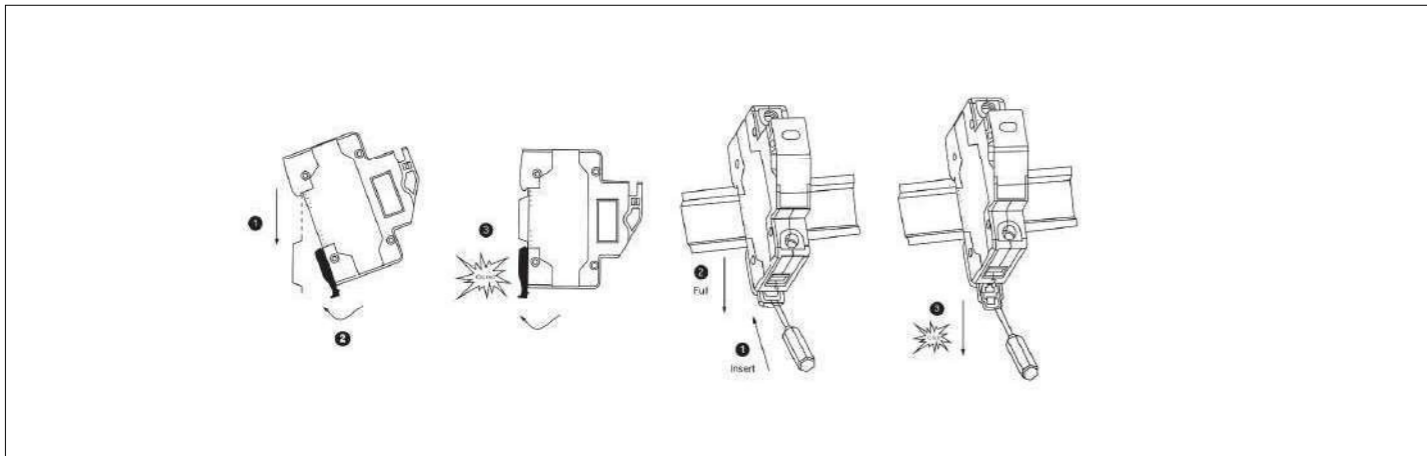
Specifications

Product Model	YTPV-32
Pole	1P, 2P, 3P, 4P
Colour	White
Rated Current (A)	1A, 2A, 3A, 4A, 5A, 6A, 8A, 10A, 12A, 15A, 20A, 25A, 30A, 32A
Rated Voltage(V DC)	1000
Installation	Rail installation
Fuse link size(mm) ²	10*38

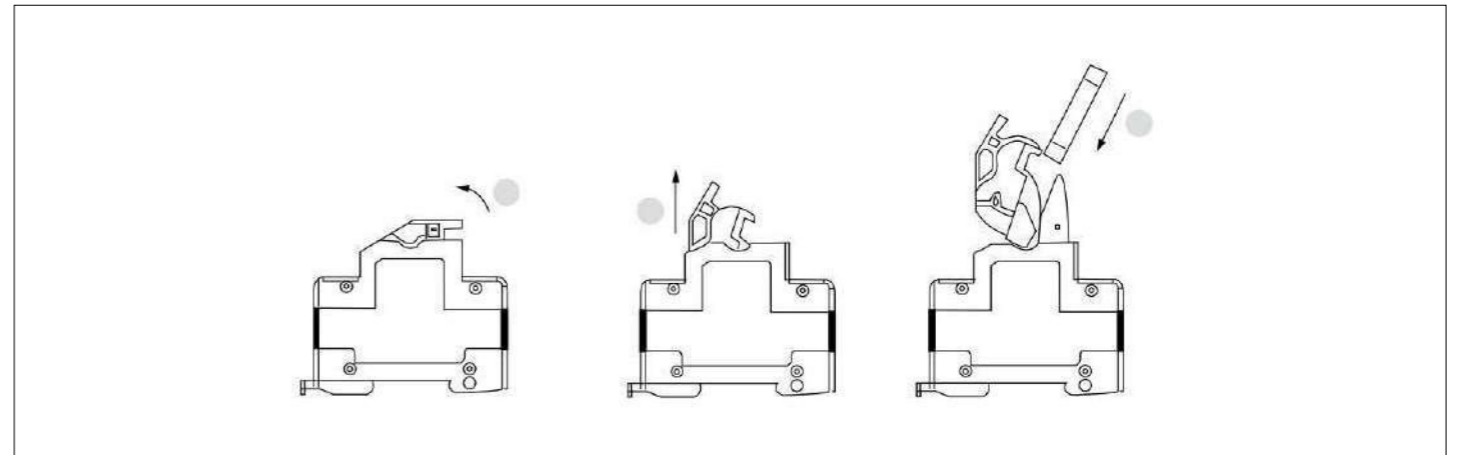
Features

- 1. Din35 Rail Installation, Easy to Install
- 2. Adjustable terminal block, Wiring firm
- 3. Fire-retardant shell, high temperature resistance
- 4. Flexible installation, Easy to replace

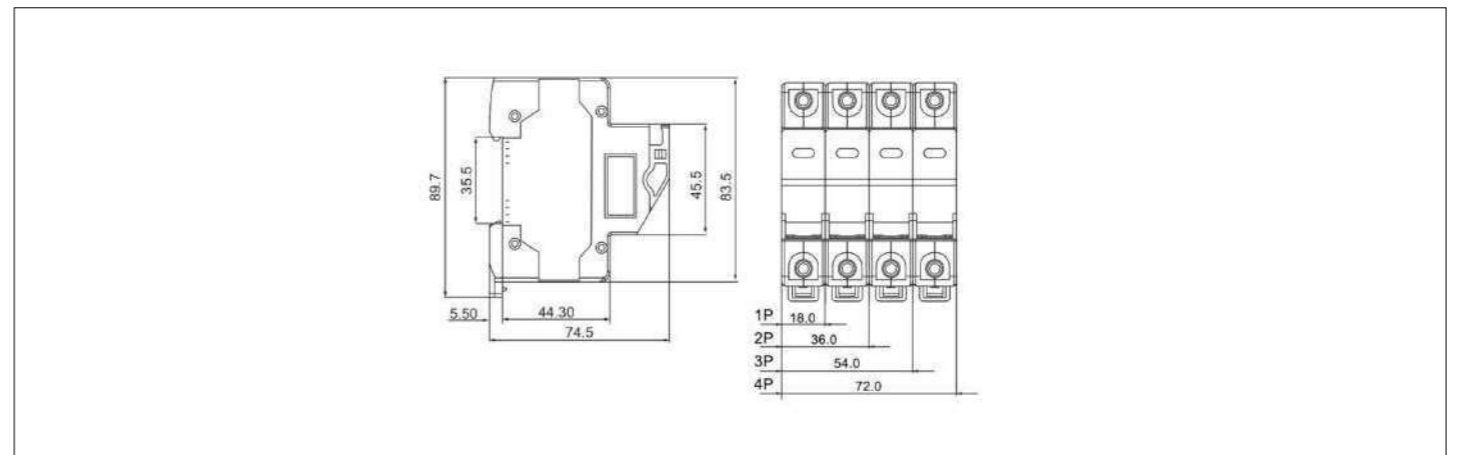
Installation



Replacement fuse



Dimension



Application

A range of fuses in a 10x38mm package specifically designed for protection and isolation of photovoltaic strings. The DC fuses are capable of interrupting low overcurrents associated with faulted PV (reverse current, multi-array fault) string arrays.

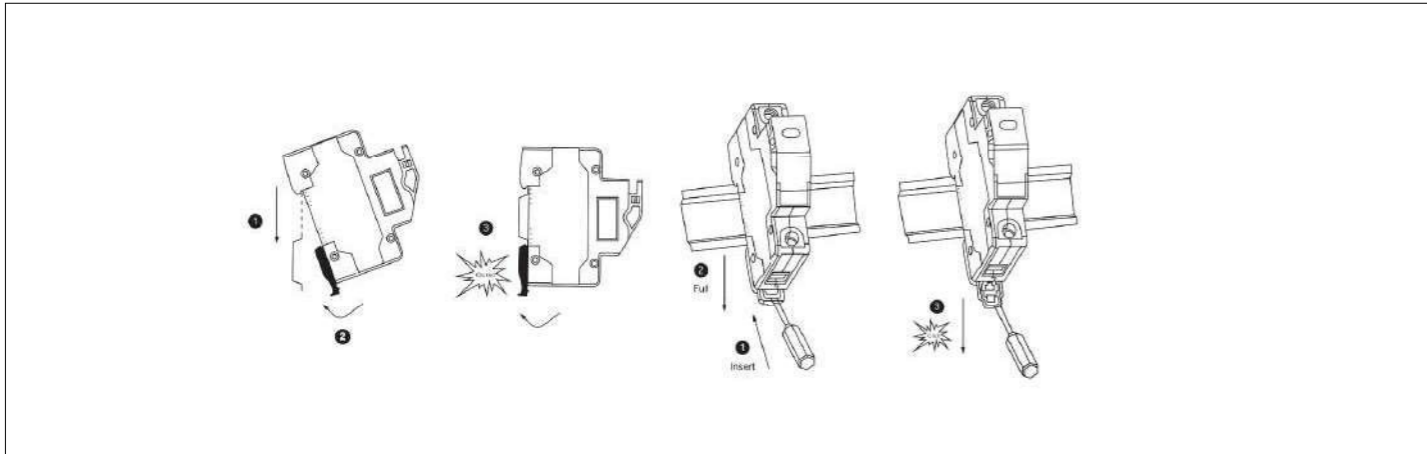


Specifications

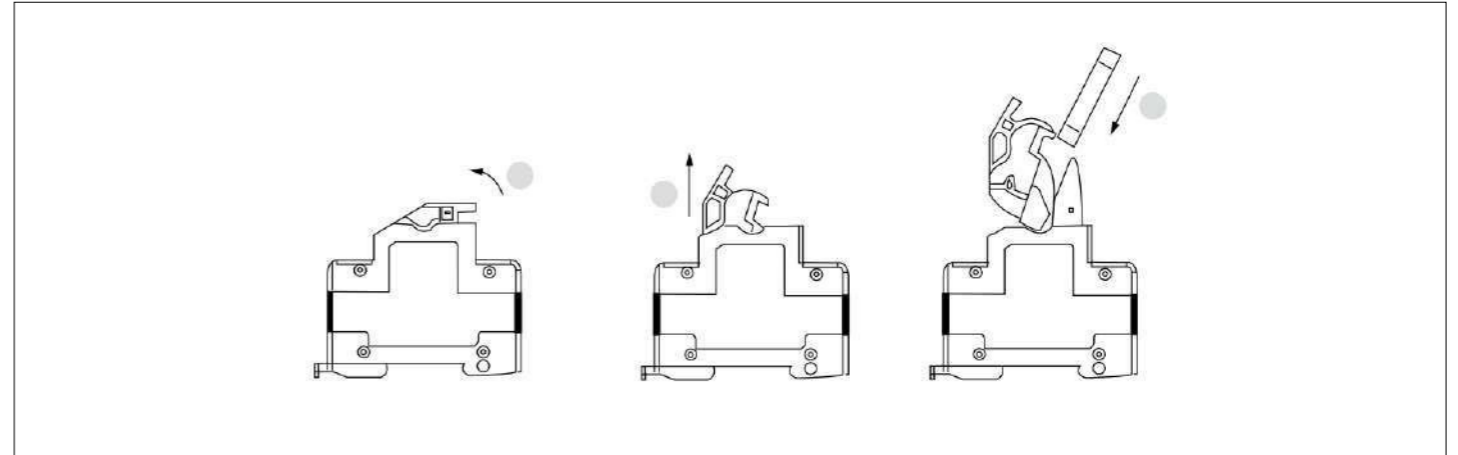
Product Model	YRPV-30
Colour	White
Breaking capacity	20kA
Rated Current (A)	2A, 3A, 4A, 5A, 6A, 8A, 10A, 12A, 15A, 20A, 25A, 30A, 32A
Rated Voltage(V DC)	1000
Installation	Rail installation
Fuse link size(mm) ²	10*38

Features

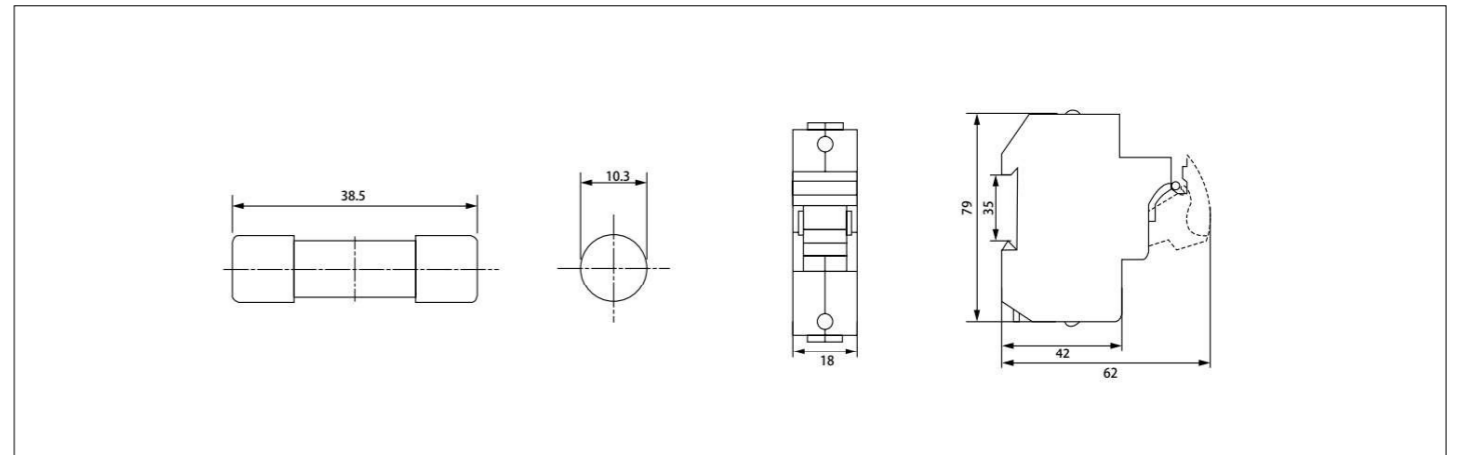
1. Rated voltage 1000VDC
2. Rated breaking capacity 20kA dc
3. Minimum interrupting rating 1.3x I_n
4. Time constant under 1ms
5. Standard EN/ IEC 60269-6



Replacement fuse



Dimension



Application

A range of fuses in a 10x85mm package specifically designed for protection and isolation of photovoltaic strings. The DC fuses are capable of interrupting low overcurrents associated with faulted PV (reverse current, multi-array fault) string arrays.



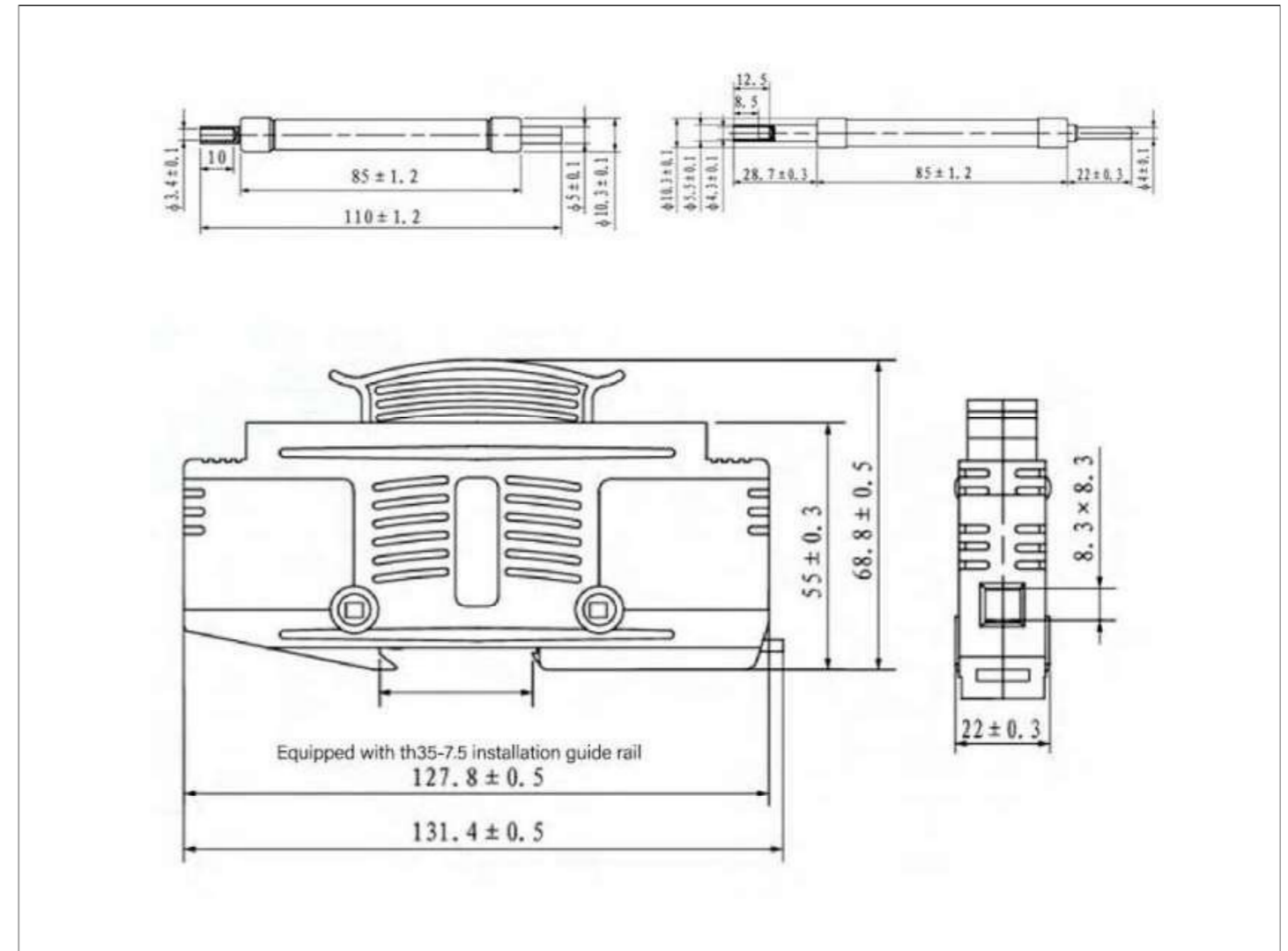
Specifications

Product Model	YTPV-32L
Colour	Grey
Breaking capacity	40kA
Rated Current (A)	2A, 3A, 4A, 5A, 6A, 8A, 10A, 12A, 15A, 20A, 25A, 30A
Rated Voltage(V DC)	1500
Installation	Rail installation
Fuse link size(mm) ²	10*85

Features

- 1. Rated voltage 1500VDC
- 2. Rated breaking capacity 40kA dc
- 3. Minimum interrupting rating 1.3x I_n
- 4. Time constant under 1ms
- 5. Standard EN/ IEC 60269-6

Dimension



Application

A range of fuses in a 14x65mm package specifically designed for protection and isolation of photovoltaic strings. The DC fuses are capable of interrupting low overcurrents associated with faulted PV (reverse current, multi-array fault) string arrays.

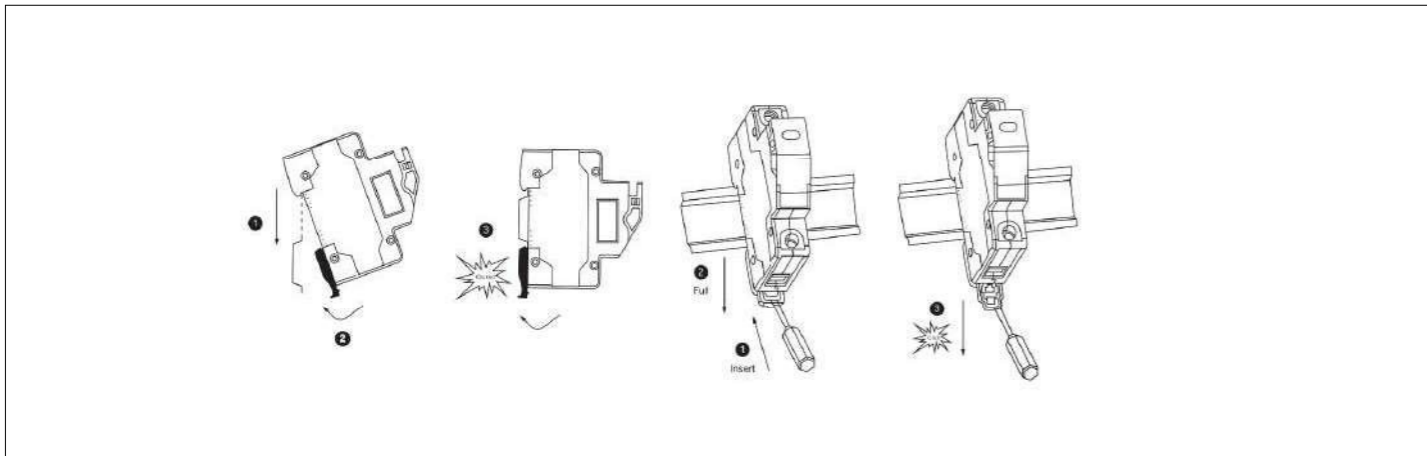


Specifications

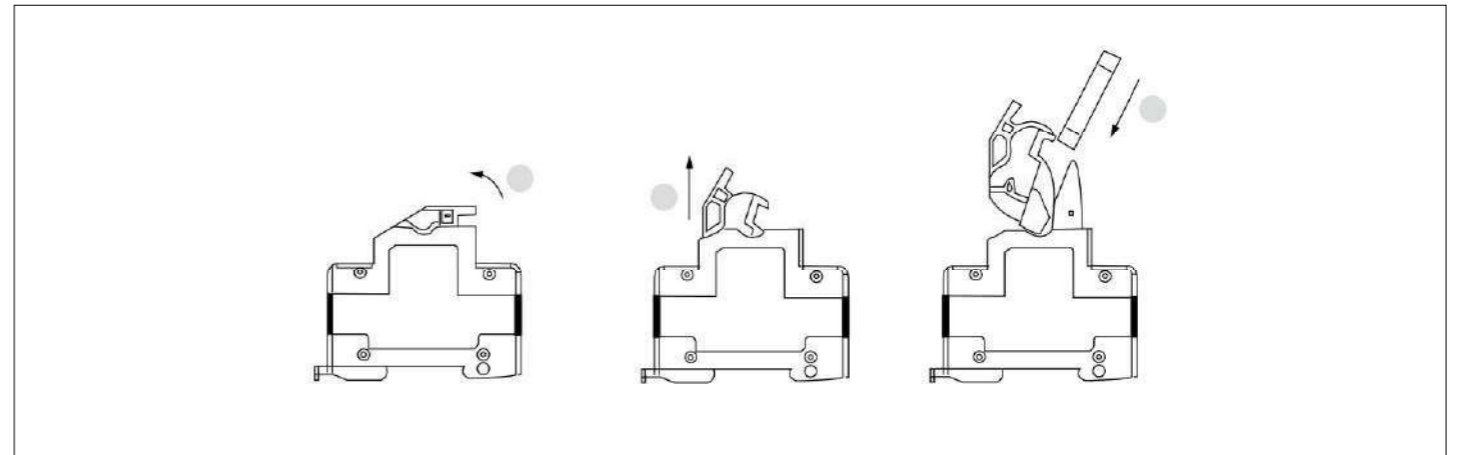
Product Model	YRPV-63
Colour	White
Breaking capacity	25kA
Rated Current (A)	10A, 15A, 20A, 25A, 32A, 40A, 50A, 63A
Rated Voltage(V DC)	1000/1500
Installation	Rail installation
Fuse link size(mm) ²	14*65

Features

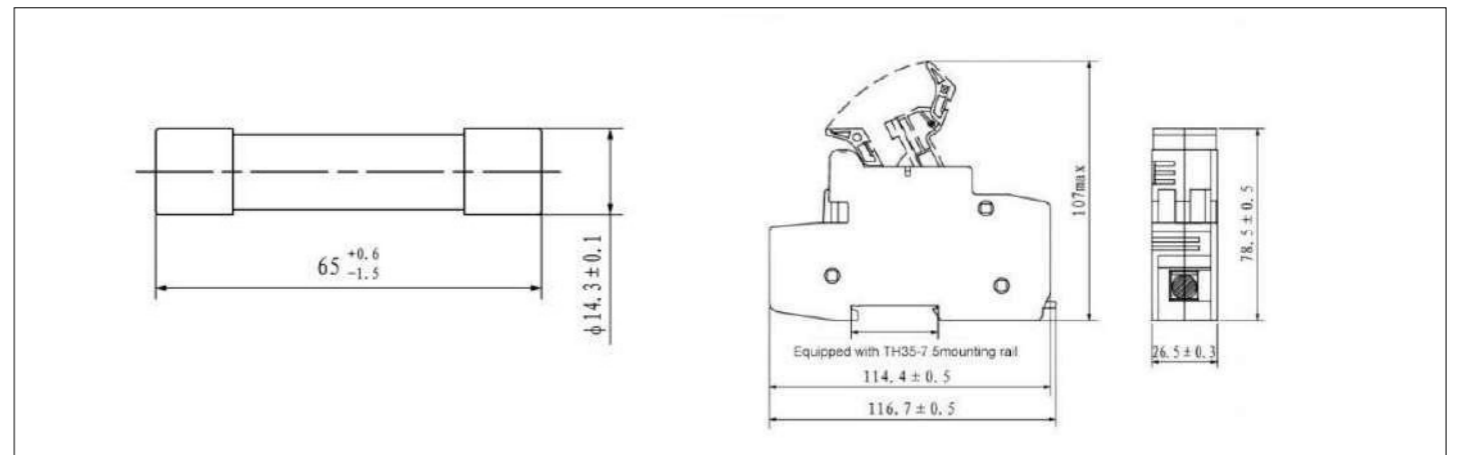
1. Rated voltage 1000VDC/1500VDC
2. Rated breaking capacity 25kA dc
3. Minimum interrupting rating 1.3x I_n
4. Time constant under 1ms
5. Standard EN/ IEC 60269-6



Replacement fuse



Dimension



Application

YRPV-160 1000VDC Solar PV Fuse Link is specifically designed for protecting and isolating Photovoltaic (PV) array combiners and DC disconnects. This enhanced NH construction fuse link with an NHO size can effectively protect 1000VDC Photovoltaic (PV) systems. YRPV-160 1000VDC Solar PV Fuse Link provides various ampere ratings from 40-160A, Which helps to meet specific situations in different Photovoltaic (PV) applications, such as PV combiner box and PV inverter.



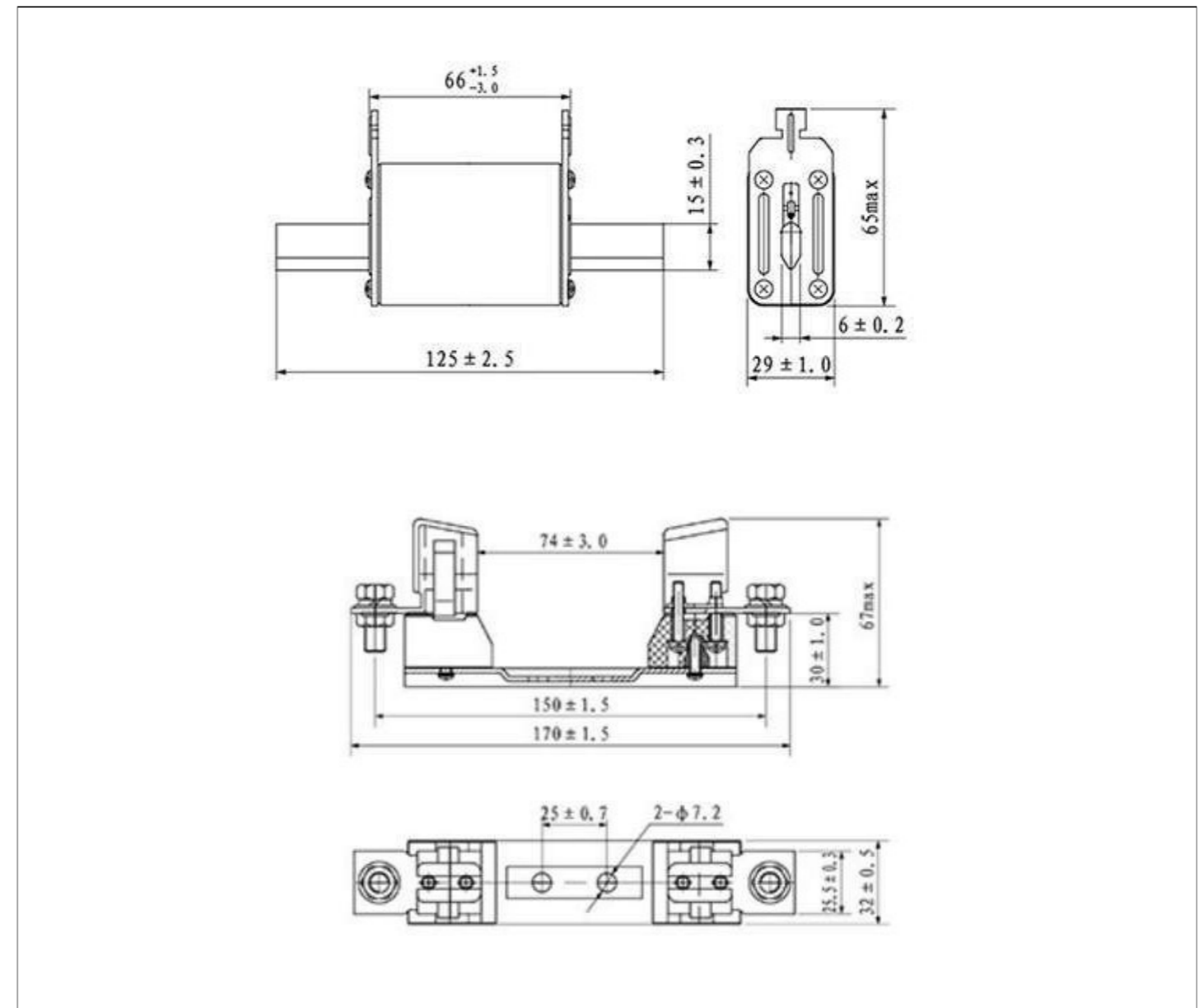
Specifications

Product Model	YRPV-160
Colour	Yellow
Breaking capacity	20kA
Rated Current (A)	40A, 50A, 63A, 80A, 100A, 125A, 160A
Rated Voltage(V DC)	1000

Features

1. Rated voltage 1000VDC
2. Rated breaking capacity 20kA dc
3. Low temperature rise power consumption and long service life
4. Standardized size and compact structure
5. Standard EN/ IEC 60269-6

Dimension



DS1EL-S32 Series DC Waterproof Isolator Switch

Application

DS1EL-S32 IP66 enclosed 1000V 32A DC isolator switch is developed for solar installation. Put on the roof top and between the solar arrays and solar inverter. For isolation the PV array during system installation or any maintenance.



Specifications

Product Model	DS1EL-S32
Rated insulation voltage U_i	1500V
Rated heating current I_{the}	32A
Pole	4P
Rated impulse withstand voltage U_{imp}	8000V
Rated short-time withstand current(1s) I_{cw}	1000A
Rated short-circuit making capacity I_{cm}	1000A
Working Temperature	-40°C ~ +85°C
Mechanical life	10,000 times
Waterproof grade	IP66

Features

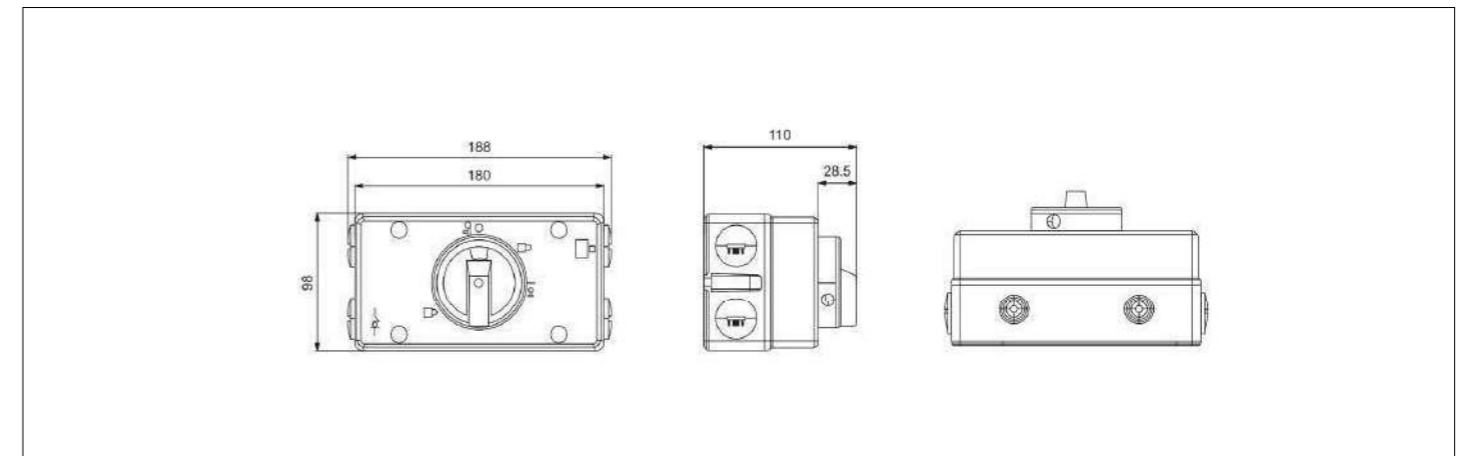
- 1.Compact and suitable where space is limited
- 2.DIN rail mounting for easy installation
- 3.Load-breaking up to 8 times rated current making it ideal for motor isolation
- 4.Double-break with silver rivets-superior performance, reliability and long lasting
- 5.Highly visible blue handle
- 6.Large padlock able blue handles
- 7.Comprehensive range, 16 to 32A models
- 8.High IP66 rating
- 9.High breaking capacity with 12.5 mm contact air gap
- 10.Easy to install and operate
- 11.Easy snap-on fitting of auxiliary switches

DS1EL-S32 Series DC Waterproof Isolator Switch



DS1EL-S32	2P	4B	4S	4P	4T
Contacts Wiring Diagram					
Switching examples					

Dimension



Application

DS1DB-S32 Series DC isolator switch have been specifically designed to switch Direct Current (DC) at voltages up to 1000v. Their robust design and ability to switch such voltages at rated current , mean that they are ideally suited to be used in the switching of Photovoltaic (PV) systems . All photovoltaic installations must have a DC switch to disconnect the DC/AC inverter from the photovoltaic panels in accordance with IEC.



Specifications

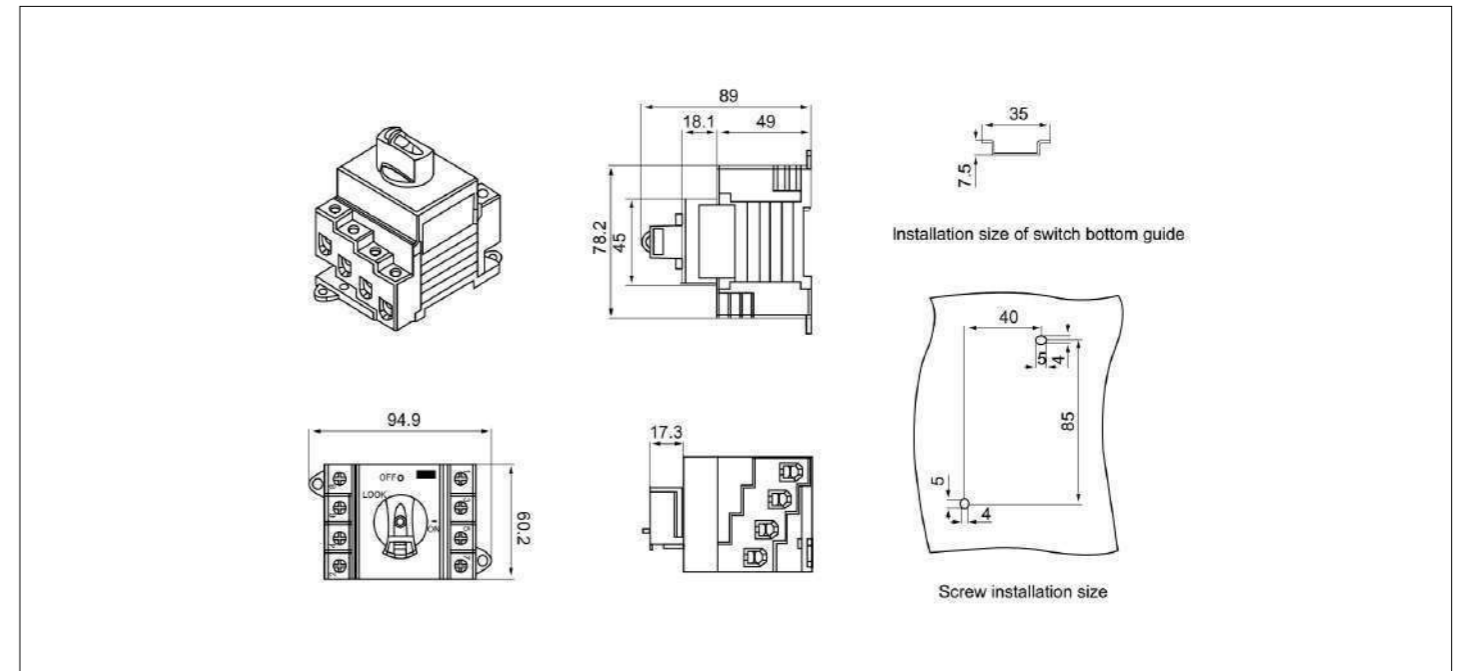
Product Model	DS1DB-S32
Pole	4P
Rated Current (A)	32A
Rated Voltage (Vdc)	1000
Color	Yellow
Working Temperature	-40°C ~ +70°C
Distance of contacts (per pole)	8mm
Pollution degree	2
Mechanical Life	Not less than 10000 times

Features

1. Application in the distribution box
2. Handy Locking Mechanism while off keeps it safe from Children or Un-Authorized access
3. Operator Independent trigger Ratchet Switching and Knife Edge Self Cleaning Contact Mechanism

DS1DB-S32	2P	4B	4S	4P	4T
Contacts Wiring Diagram					
Switching examples					

Dimension



1 IN 1 OUT DC 1000V

SOLAR COMBINER BOX



Application

PV String DC Combiner Boxes are key components in the solar power systems, which are placed between solar modules and the inverters.



Specifications

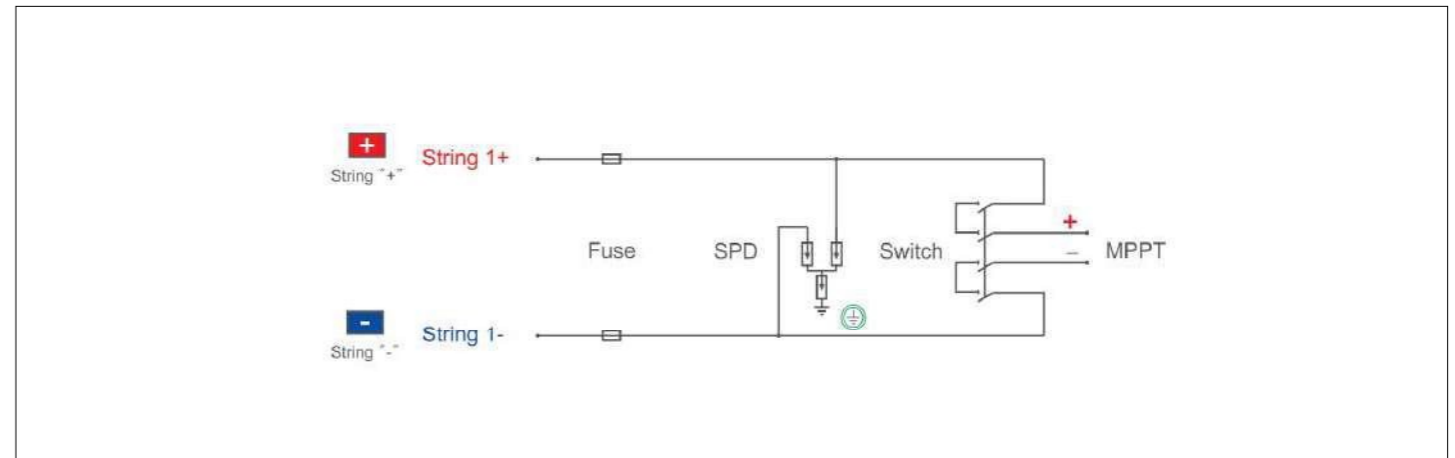
Solar PV DC 1 in 1 out Combiner Box	
Rated voltage of photovoltaic system	DC 1000V
Max input amp for each string	15A
Input strings	1
Number of output strings	1
Waterproof grade ip65/ Lighting protection	
Category of test	II grade protection
Nominal discharge amp	20KA
Max discharge amp	40KA
Volt protection level	3.2KV
SPD Max operation voltage	DC 1000V
Poles	2P
Structure characteristic	Plug push module
System	
Protection grade	IP65
Output switch	DC isolation switch
Solar connector	Standard
Box material	PVC
Installation method	Wall mounting type
Operating temperature	-25°C-+60°C
Installation: indoors/outdoors	Yes
Mechanical parameter	
Wid*high*Depth(mm)	215*210*100

1 IN 1 OUT DC 1000V

Features

1. Very high impact resistance
2. Easy machining with normal tools
3. IP65
4. Wide operation temperature range
5. Fire Resistance
6. Non-conductive
7. Good resistance to chemical corrosion
8. Light weight
9. Excellent insulating properties
10. Cost-effective material for harsh environments

Wiring Diagram



Application

PV String DC Combiner Boxes are key components in the solar power systems, which are placed between solar modules and the inverters.



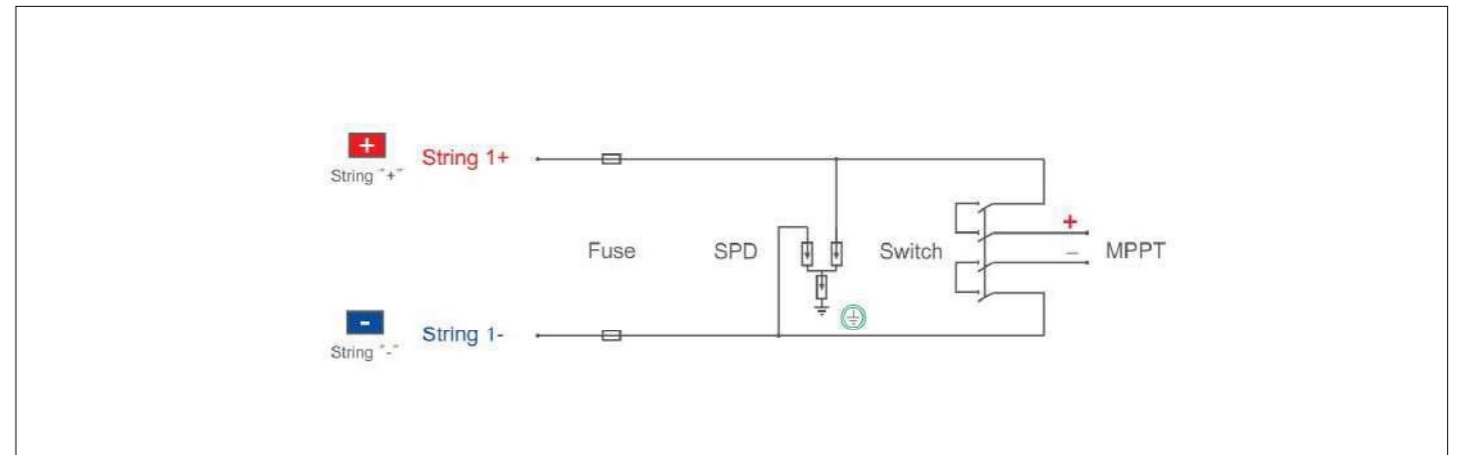
Specifications

Solar PV DC 1 in 1 out Combiner Box	
Rated voltage of photovoltaic system	DC 600V
Max input amp for each string	15A
Input strings	1
Number of output strings	1
Waterproof grade ip65/ Lighting protection	
Category of test	II grade protection
Nominal discharge amp	20KA
Max discharge amp	40KA
Volt protection level	3.2KV
SPD Max operation voltage	DC 600V
Poles	2P
Structure characteristic	Plug push module
System	
Protection grade	IP65
Output switch	DC circuit breaker
Solar connector	Standard
Box material	PVC
Installation method	Wall mounting type
Operating temperature	-25°C-+60°C
Installation: indoors/outdoors	Yes
Mechanical parameter	
Widh*high*Depth(mm)	215*210*100

Features

1. Very high impact resistance
2. Easy machining with normal tools
3. IP65
4. Wide operation temperature range
5. Fire Resistance
6. Non-conductive
7. Good resistance to chemical corrosion
8. Light weight
9. Excellent insulating properties
10. Cost-effective material for harsh environments

Wiring Diagram



4 IN 1 OUT DC 600V

SOLAR COMBINER BOX

Application

PV String DC Combiner Boxes are key components in the solar power systems, which are placed between solar modules and the inverters.



Specifications

Solar PV DC 4 in 1 out Combiner Box	
Rated voltage of photovoltaic system	DC 600V
Max input amp for each string	15A
Input strings	4
Number of output strings	1
Waterproof grade ip65/ Lighting protection	
Category of test	II grade protection
Nominal discharge amp	20KA
Max discharge amp	40KA
Volt protection level	3.2KV
SPD Max operation voltage	DC 600V
Poles	2P
Structure characteristic	Plug push module
System	
Protection grade	IP65
Output switch	DC circuit breaker
Solar connector	Standard
Box material	PVC
Installation method	Wall mounting type
Operating temperature	-25°C-+60°C
Installation: indoors/outdoors	Yes
Mechanical parameter	
Widh*high*Depth(mm)	170*220*110

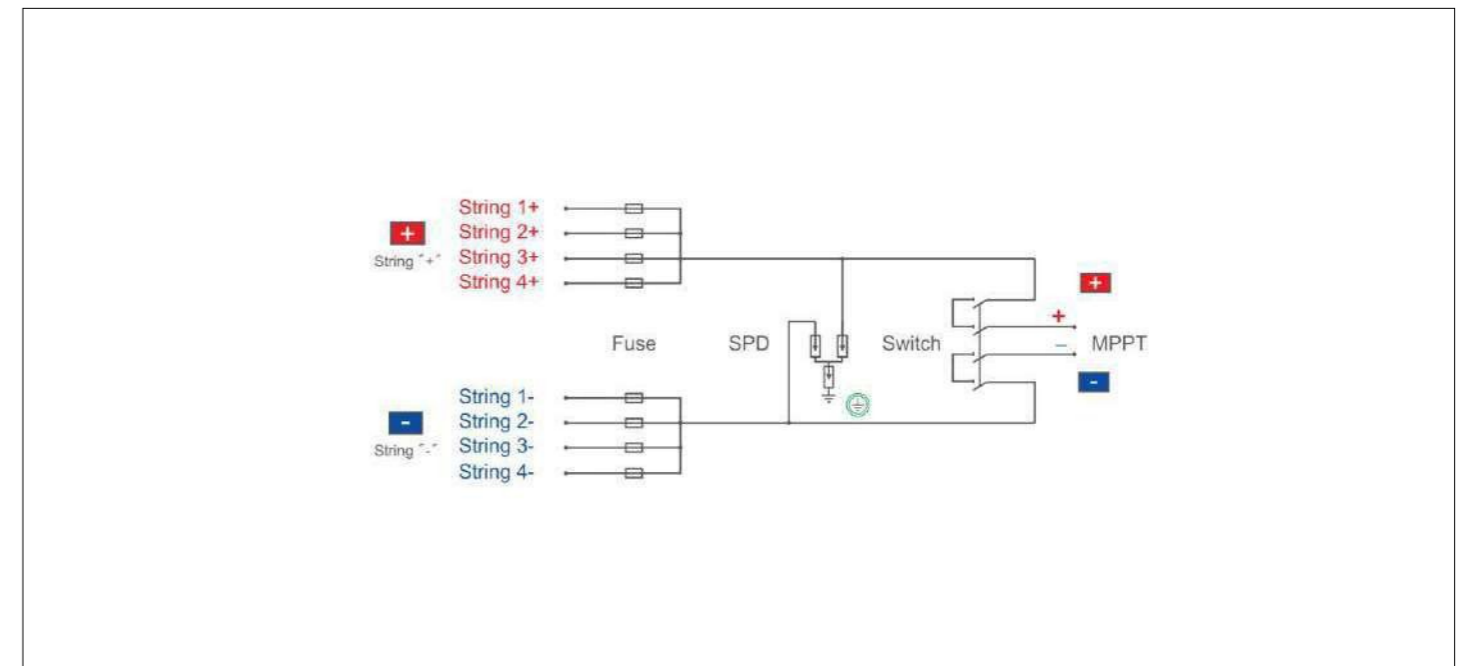
2 IN 2 OUT DC 600V

CHYT

Features

1. Very high impact resistance
2. Easy machining with normal tools
3. IP65
4. Wide operation temperature range
5. Fire Resistance
6. Non-conductive
7. Good resistance to chemical corrosion
8. Light weight
9. Excellent insulating properties
10. Cost-effective material for harsh environments

Wiring Diagram



Application

NBT1-63 have protective function as overload, and are used in lighting distribution system in industry commerce and dwelling, and protect fractional electric motors. And they also have many merits of high protective grade(up to IP20), high breaking capacity, reliable sensitive, action convenient, multi pole assembling, long life ect. The are mainly adapted to the circuit of AC 50Hz, 250V in single pole, 415V in double, three, four poles for protecting overload and short circuit. Mean while, they are also used in turning on or off the electric apparatus and lighting circuit under the normal conditions.



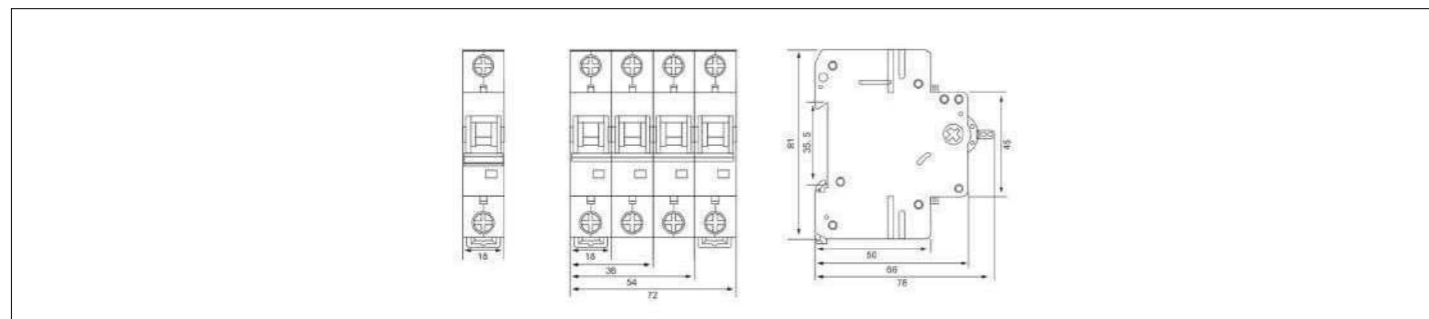
Specifications

Product Model	NBT1-63			
Pole	1P	2P	3P	4P
Rated Current (A)	6, 10, 16, 20, 25, 32, 40, 50, 63			
Rated Voltage (V)	230/400	400	400	400
Breaking Capacity(kA)	6			
Colour	White and transparent			
Characteristic Curve	C			
Working Temperature	-5°C ~ +40°C			
Enclosed Class	IP20			
Standard	IEC60898-1			
Frequency	50/60Hz			
Electrical Life	Not less than 8000 times			
Mechanical Life	Not less than 20000 times			

Wiring diagram

Pole	1P	2P	3P	4P
Contacts Configurations				

Dimension



Application

DZ30 miniature circuit breaker is used in the single phase residual current of AC50/60Hz, rated voltage 220V or below for protecting electron circuit from overload and short circuit. This product has advantages of high breaking capacity, small volume, width is only 18mm. Zero and live wire are cut off at the same time, preventing the person and fire danger. It is the idealist distribution protective switch in the civil residence field at present. This product conforms to the requirement of IEC60898.



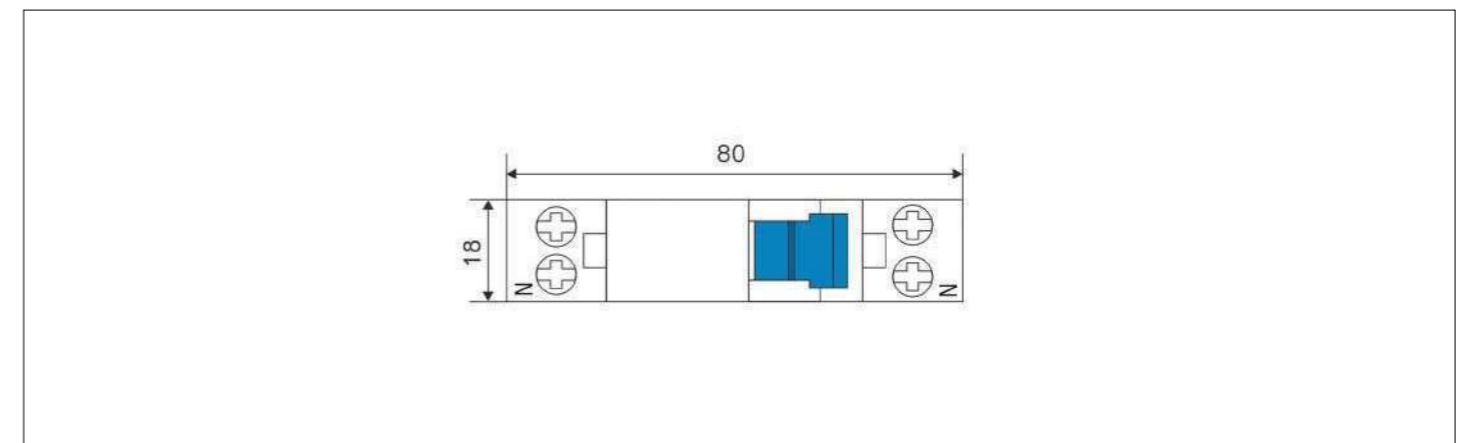
Specifications

Product Model	DZ30-32
Pole	1P+N
Rated Current (A)	10, 16, 20, 25, 32
Rated Voltage (V)	230
Breaking Capacity(kA)	6
Colour	White
Characteristic Curve	C
Working Temperature	-5°C ~ +40°C
Enclosed Class	IP20
Standard	IEC60898-1
Frequency	50/60Hz
Electrical Life	Not less than 8000 times
Mechanical Life	Not less than 20000 times

Features

1. Mini Circuit Breaker is for non-professional operation by those untrained, and no maintenance is required
2. 1P+N with 1Poles size 18mm width
3. Flame-retardant PA66 nylon material

Dimension



Application

NBT2-125H high breaking capacity circuit breaker is used in AC 50Hz or 60Hz, single pole 240V, 2 3 4 poles 415V, for protecting the circuit which overload and short circuit may take place. It can be used in lighting and electric motor distribution system. Meantime it is applicable to infrequently switch the electric apparatus and light circuit under the normal conditions. The products comply with IEC60947.



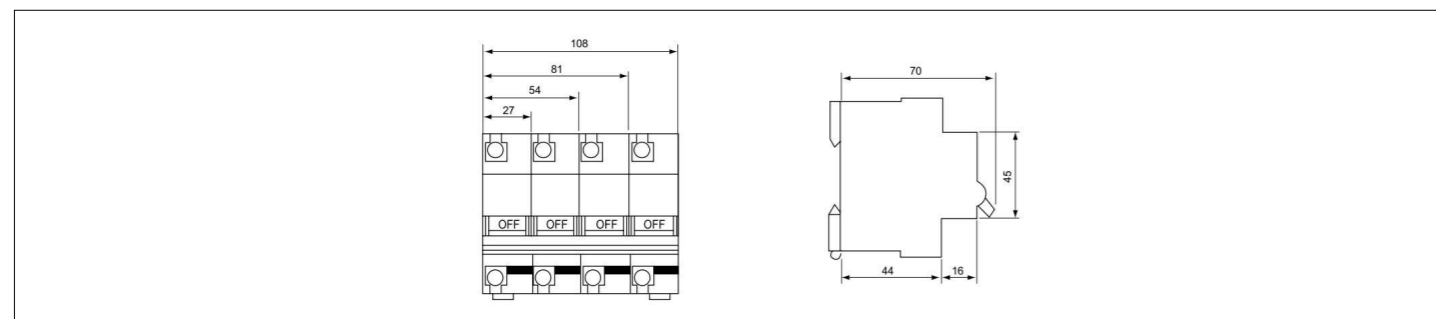
Specifications

Product Model	NBT2-125H			
Pole	1P	2P	3P	4P
Rated Current (A)	80, 100, 125			
Rated Voltage (V)	230	230/400	400	400
Breaking Capacity(kA)	10			
Colour	White			
Characteristic Curve	D			
Working Temperature	-5°C ~ +40°C			
Enclosed Class	IP20			
Standard	IEC60947-2			
Frequency	50/60Hz			
Electrical Life	Not less than 6000 times			
Mechanical Life	Not less than 20000 times			

Wiring diagram

Pole	1P	2P	3P	4P
Contacts Configurations				

Dimension



Application

GV2ME AC motor circuit breaker is applicable to the circuit with AC voltage up to 690V and current up to 32A. It can be used as over-load, open phase and short circuit protection and infrequent starting control of three-phase squirrel cage asynchronous motor. It can be used as distribution line protection, infrequent load conversion and isolator.

This product complies with GB / t14048 2 GB/T14048. 4 standards.



Specifications

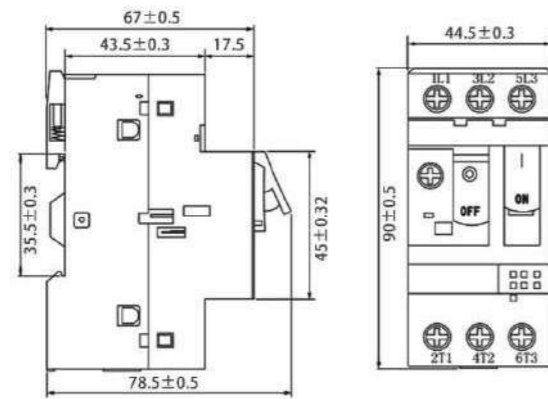
Model	Rated current In (A)	Setting current regulation range (A)	Standard rated power of three-phase motor (kW)					
			AC-3, 50Hz/60Hz					
			230/240V	400V	415V	440V	500V	690V
GV2ME01C	0.16	0.1-0.16	-	-	-	-	-	-
GV2ME02C	0.25	0.16-0.25	-	-	-	-	-	-
GV2ME03C	0.4	0.25-0.4	-	-	-	-	-	-
GV2ME04C	0.63	0.4-0.63	-	-	-	-	-	0.37
GV2ME05C	1	0.63-1	-	-	-	0.37	0.37	0.55
GV2ME06C	1.6	1-1.6	-	0.37	-	0.55	0.75	1.1
GV2ME07C	2.5	1.6-2.5	0.37	0.75	0.75	1.1	1.1	1.5
GV2ME08C	4	2.5-4	0.75	1.5	1.5	1.5	2.2	3
GV2ME10C	6.3	4-6.3	1.1	2.2	2.2	3	3.7	4
GV2ME14C	10	6-10	2.2	4	4	4	5.5	7.5
GV2ME16C	14	9-14	3	5.5	5.5	7.5	7.5	9
GV2ME20C	18	13-18	4	7.5	9	9	9	11
GV2ME21C	23	17-23	5.5	11	11	11	11	15
GV2ME22C	25	20-25	5.5	11	11	11	15	18.5
GV2ME32C	32	24-32	7.5	15	15	15	18.5	25

Selection guide

GV2ME	32	0.1-0.16A	
Motor circuit breaker	Frame current	0.1-0.16A ... 24-0.32A	
Thermal trip Setting current range	Magnetic trip Current	400/415, 400/415Hz, A3 type Rated power of threphase motor	Contactor model
0.1-0.16A	1.5A	--	CJX2-09
0.16-0.25A	2.4A	0.06KW	CJX2-09
0.25-0.4A	5A	0.09KW	CJX2-09
0.4-0.63A	8A	0.12KW	CJX2-09
0.63-1A	13A	0.25KW	CJX2-09
1-1.6A	22.5A	0.37KW	CJX2-09

1.6-2.5A	33.5A	0.75KW	CJX2-09
2.5-4A	51A	1.5KW	CJX2-09
4-6.3A	78A	2.2KW	CJX2-09
6-10A	138A	4KW	CJX2-09
9-14A	170A	5.5KW	CJX2-12
13-18A	223A	7.5KW	CJX2-18
17-23A	327A	9KW	CJX2-25
20-25A	327A	11KW	CJX2-25
24-32A	416A	15KW	CJX2-32

Dimension



Application

Motor circuit breaker shell(applicable to GV2ME) surface mounted, with sealing cover, IP55



Specifications

Product Model	GV2MC02
Name	Motor MPCB mounting box
Product type	Shell
Adaptation	GV2ME MPCB
Protection level	IP55
Installation type	Surface mounting
Weight	0.3kg
Size	147x93x84mm

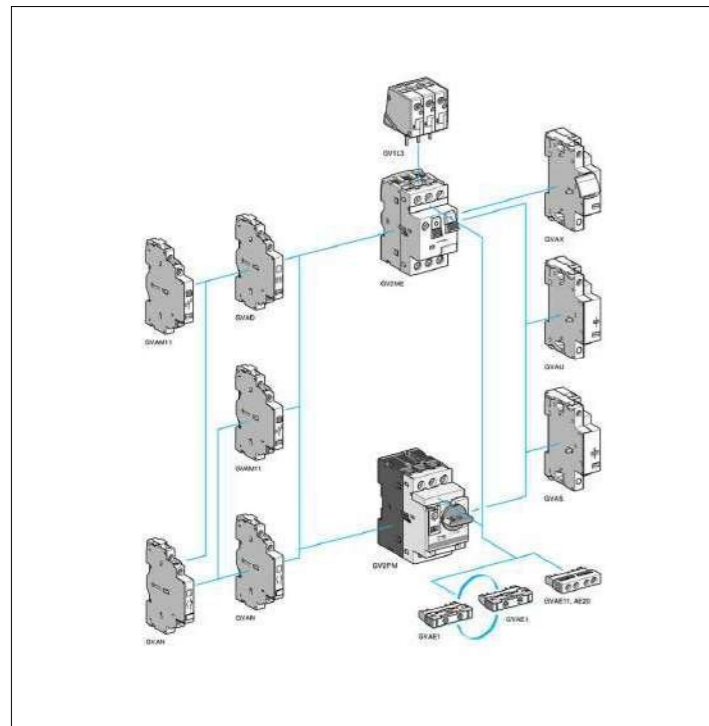
Application

Matching auxiliary contacts

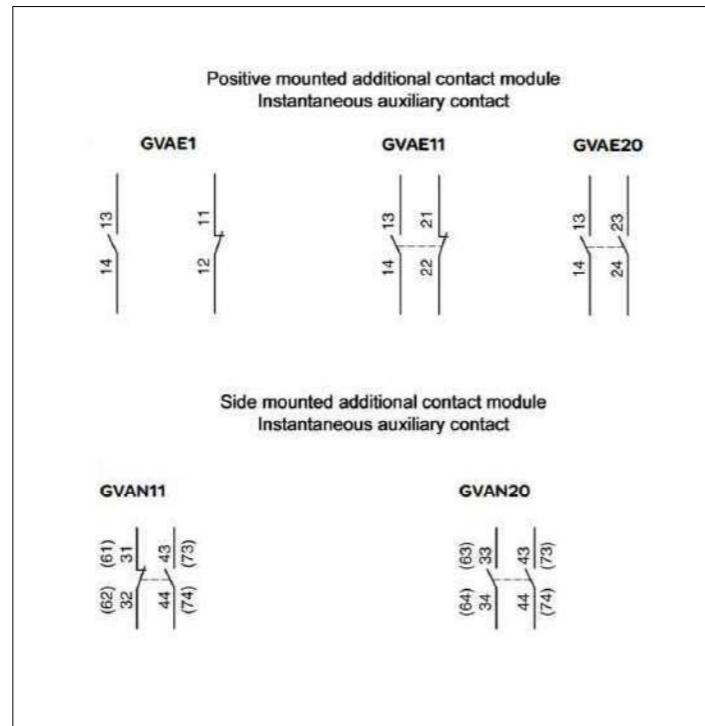
Installation type	Product picture	Model	Contact type
Front mounted Auxiliary contact		GVAE1 GVAE11 GVAE20	1NO/1NC optional 1NO+1NC 2NO
Side mounted Auxiliary contact		GVAN11 GVAN20	1NO+1NC 2NO



Auxiliary contact



Wiring diagram



Application

YTTM1 series moulded case circuit breaker is a new type product developed and manufactured by Adopting international advanced technology. It is supplied with rated insulation voltage 660V and used for circuit of AC 50Hz, rated operation voltage AC 400V or below rated operation current up to 125A for infrequent changing over and starting of the motors. Equipped with the protection devices for over-current, short circuit and under voltage, the product is capable of preventing damage of circuits and supply units. The product conforms to IEC60947-2 standard.



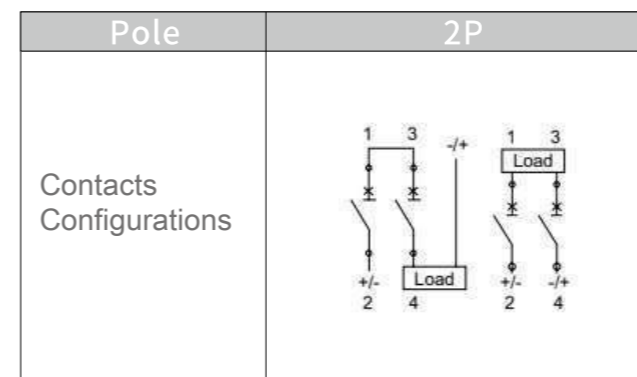
Specifications

Product Model	YTTM1-125
Pole	2P
Colour	White
Rated Current (A)	32, 40, 63, 80, 100, 125
Rated Working Voltage(V)	400
Rated Insulated Voltage(V)	660
Limiting Short Circuit Breaking Capacity(kA)	25
Operating Short Circuit Breaking Capacity(kA)	19
Characteristic Curve	C
Standard	IEC60947-2
Frequency	50/60Hz

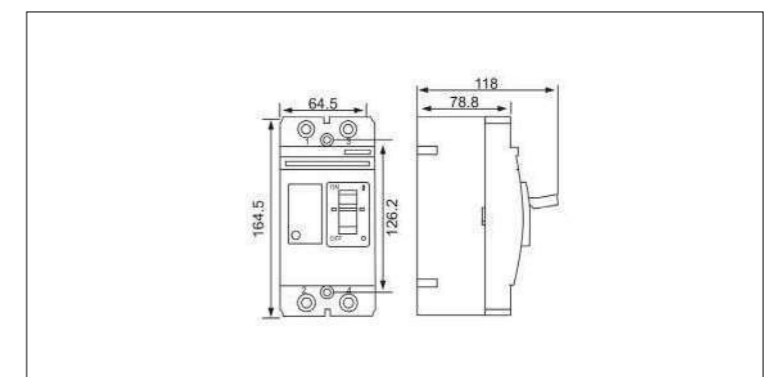
Features

1. Small volume
2. High breaking capacity
3. Electric arcing short
4. Anti-vibration

Wiring diagram



Dimension



Application

PV String DC Combiner Boxes are key components in the solar power systems, which are placed between solar modules and the inverters.



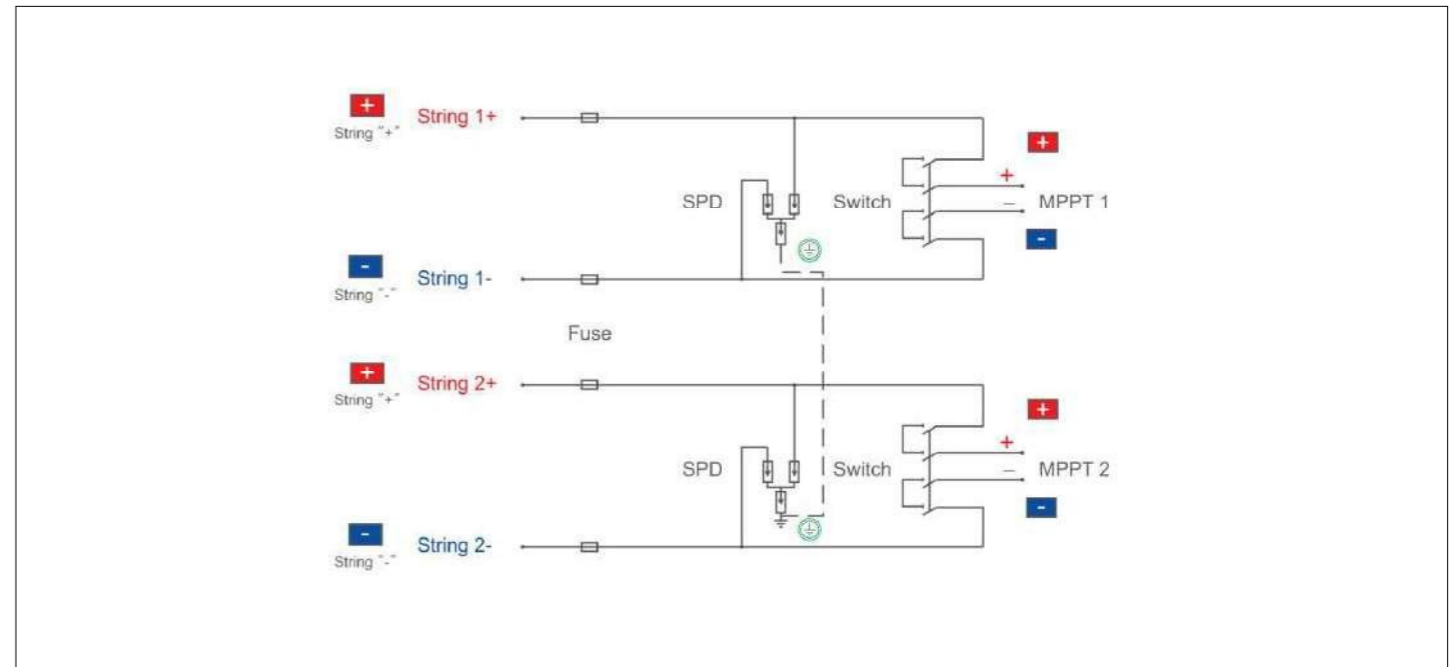
Specifications

Solar PV DC 2 in 2 out Combiner Box	
Rated voltage of photovoltaic system	DC 600V
Max input amp for each string	15A
Input strings	2
Number of output strings	2
Waterproof grade ip65/ Lighting protection	
Category of test	II grade protection
Nominal discharge amp	20KA
Max discharge amp	40KA
Volt protection level	3.2KV
SPD Max operation voltage	DC 600V
Poles	2P
Structure characteristic	Plug push module
System	
Protection grade	IP65
Output switch	DC circuit breaker
Solar connector	Standard
Box material	PVC
Installation method	Wall mounting type
Operating temperature	-25°C-+60°C
Installation: indoors/outdoors	Yes
Mechanical parameter	
Widh*high*Depth(mm)	295*260*140

Features

1. Very high impact resistance
2. Easy machining with normal tools
3. IP65
4. Wide operation temperature range
5. Fire Resistance
6. Non-conductive
7. Good resistance to chemical corrosion
8. Light weight
9. Excellent insulating properties
10. Cost-effective material for harsh environments

Wiring Diagram



Application

YTTM1 series moulded case circuit breaker is a new type product developed and manufactured by Adopting international advanced technology. It is supplied with rated insulation voltage 800V and used for circuit of AC 50Hz, rated operation voltage AC 400V or below rated operation current up to 800A for infrequent changing over and starting of the motors. Equipped with the protection devices for over-current, short circuit and under voltage, the product is capable of preventing damage of circuits and supply units. The product conforms to IEC60947-2 standard.



Specifications

Model	Rated Frame Current (A)	Rated Current (A)	Rated Working Voltage (V)	Rated Insulated Voltage (V)	Rated Ultimate Short-circuit Breaking Capacity KA 400V	Rated Running Breaking Capacity KA 400V	Overall Dimension			Mounting Dimension(Front in Wiring)		
							L	W 3P/4P	H	A	B	4-Φd
YTTM1-63	63	6,10,16,20,25,32,40,50,63	AC400V	AC500V	25	18	135	78/103	81.5	25	117	Φ3.5
YTTM1-125	125	10,16,20,25,32,40,50,63,80,100,125	AC690V	AC800V	35	22	150	92/122	86	30	129	Φ4.5
YTTM1-250	250	100,125,140,160,180,200,225,250	AC690V	AC800V	35	22	165	107/142	103	35	162	Φ4.5
YTTM1-400	400	225,250,315,350,400	AC690V	AC800V	50	35	257	150/198	105	44	194	Φ7
YTTM1-630	630	400,500,630	AC690V	AC800V	50	35	270	182/240	110	58	200	Φ7
YTTM1-800	800	630,700,800	AC690V	AC800V	75	50	275	210	115.5	70	243	Φ7

Working Condition

- Not over altitude 2000m
- Ambient temperature is between -5 to+40
- Withstand the influence of moist air;
- Withstand the influence of smoke fog,salt mist;
- Withstand the influence of fungus;
- The max. gradient is 22.5
- Working reliable under the condition of normal vibration in ship;
- Working reliable under the condition of earth quake(4g);
- Working in the medium which not any explosive, no enough dielectric to corrode metal, no gas to damage insulation and electric conduction dust.
- Working in the place would not be invaded by rain and snow

Protective Characteristics

The thermodynamic of a circuit breaker provides the feature of inverse time-delay,while the magnetic release the instantaneous operation as shown on Table 1 (distribution circuit breaker)and Table 2 (motor protection circuit breaker):

Table 1(for distribution)

Rated current of release(A)	Thermodynamic release(ambient temp:land+40 °C,marin+45 °C)		Electromagnetic release action current(A)
	1.05In(cold state) Non-action time(h)	1.30In(Hot state) Action time(h)	
10≤In≤63	1	1	10In±20%
63≤In≤100	2	2	
100≤In≤800	2	2	5In±20% 10In±20%

Table 2(for protective motor)

Rated current of release(A)	Thermodynamic release(ambient temp:land+40 °C,marin+45 °C)				Electromagnetic release action current(A)
	1.0In(cold state) Non-action time(h)	1.20In(Hot state) Action time(h)	1.50In(Hot state) Action time(h)	7.2In(cold state) Non-action time(h)	
10≤In≤225	2	2	4min	4s<Tp≤10s	12In±20%
225≤In≤800			8min	6s<Tp≤20s	

Note:No 5In magnetic release on 100A, 125A or YTTM1-160 and YTTM1-225.

Sectional area of connecting conductor

Rated Current Value	10	16	25	32	40	63	80	100	125	160	180,220,225	250	315,350	400
Cable(mm²)	1.5	2.5	4	6	10	16	25	35	50	70	95	120	185	240

Rated Current Value	Cable		Copper Row	
	Cable(mm²)	Quantitly	Dimension(mm)	Quantitly
500	150	2	30×5	2
630	185	2	40×5	2
700,800	200	2	40×5	2

Accessories

The accessories are fixed into the circuit breaker.

Remote tripping:
MX or MN releases are used to trip the circuit breaker.

This release trips the circuit breaker when the control voltage drops below the trip-ping threshold

Tripping threshold between 35% to 70% of the rated voltage

Circuit-breaker closing is possible only if the voltage exceeds 85% of the rated voltage.

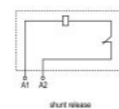
Circuit-breaker tripping by an MN release meets the requirements of standard IEC 60947-2.

Moulded Case Circuit Breaker Accessories



MX(Shunt Release)

Technical Data	
Rated Control Voltage Us(V)	230V, 400V AC
Operating Voltage(V)	(0.7-1.1) Us



Application

DZ30LE leakage protective breaker, leakage protective breaker (phase wire+neutral wire+leakage+overload voltage)protective breaker is used in the single phase residence circuit of AC 50HZ/60HZ, rated voltage 220V, used as electron shock protection. It can protect civil electron circuit from over load and short-circuit. This product has advantages of small volume, high breaking capacity zero, and live wires are cutted off at the same time, also protecting person from electric shock when the livewire connected opposite.



Specifications

Product Model	DZ30LE-32	DZ30LE-63
Pole	1P+N	
Rated Current (A)	10, 16, 20, 25, 32	40, 63
Rated Residual Operating Current(mA)	30	
Rated Residual Non-operating Current (mA)	15	
Rated Voltage (V)	230	
Residual Current Off-time	≤0.1S	
Short Circuit Capacity(Icu)	6000A	4500A

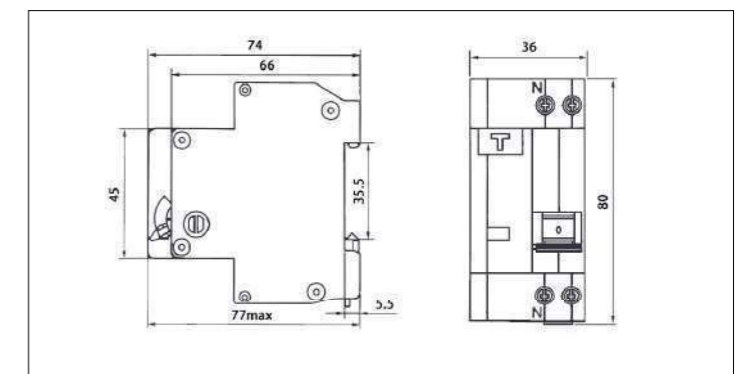
Overload Trip Characteristic

Testing Current (A)	Rated Voltage (V)	Limited Time	Pre-engage Result	Start Situation	Note
1.13In	all	t≥1h	non-trip	cold state	The current rise steadily to a fixed value within 5s
1.45In	all	t<1h	trip	heat state	
2.55In	all	1s<t<60s	trip	cole state	Open the supplementary switch , connect the power
5In	all	t≥0.1s	non-trip	cold state	
10In	all	t<0.1s	trip	cole state	

Features

- 1.The indicator window will turn to red when the RCBO trip off by earth leakage
- 2.The indicator window won't turn to red by switching on the handle
- 3.Residual current type: AC type
- 4.This product conforms to IEC61009

Wiring diagram



Application

PYL1-32 series mini circuit breaker is used in the single phase residual current of AC50/60Hz, rated voltage 230V or below for protecting electron circuit from overload and short circuit. This product has advantages of high breaking capacity, small volume, width is only 18mm. Zero and live wire are cut off at the same time, preventing the person and fire danger. It is the idealist distribution protective switch in the civil residence field at present. This product conforms to the requirement of IEC61009.



Specifications

Product Model	PYL1-32
Pole	1P+N
Rated Current (A)	6, 10, 16, 20, 25, 32
Rated Residual Operating Current(mA)	30
Rated Residual Non-operating Current (mA)	15
Rated Voltage (V)	240
Residual Current Off-time	≤0.1S
Short Circuit Capacity(Icu)	3000A

Features

1. Provides protection against earth fault/leakage current and function of isolation
2. High short-circuit current withstand capacity
3. Applicable to terminal and pin/fork type busbar connection
4. Fire resistant plastic parts endures abnormal heating and strong impact
5. Automatically disconnect the circuit when earth fault/leakage current occurs and exceeds the rated sensitivity
6. 1P+N with 1Pole size 18mm width

Application

iID 63A series residual current device are suitable to the circuit of AC 50/60Hz.rated voltage 230V for 2 poles and 400V for 4poles, and rated current up to 63A.when people come across the electric shock or the leakage current of the electrical network exceeds the fixed value, this product can cut off the fault current in short period so as to protect person and the equipment, It also can be used in the infrequent starting of the circuit and motors.The circuit breaker is suitable to industry, commerce, high-rise building, household and other kinds of places.



Note: This products is Residual Current Device, don't have overload and short circuit protection.

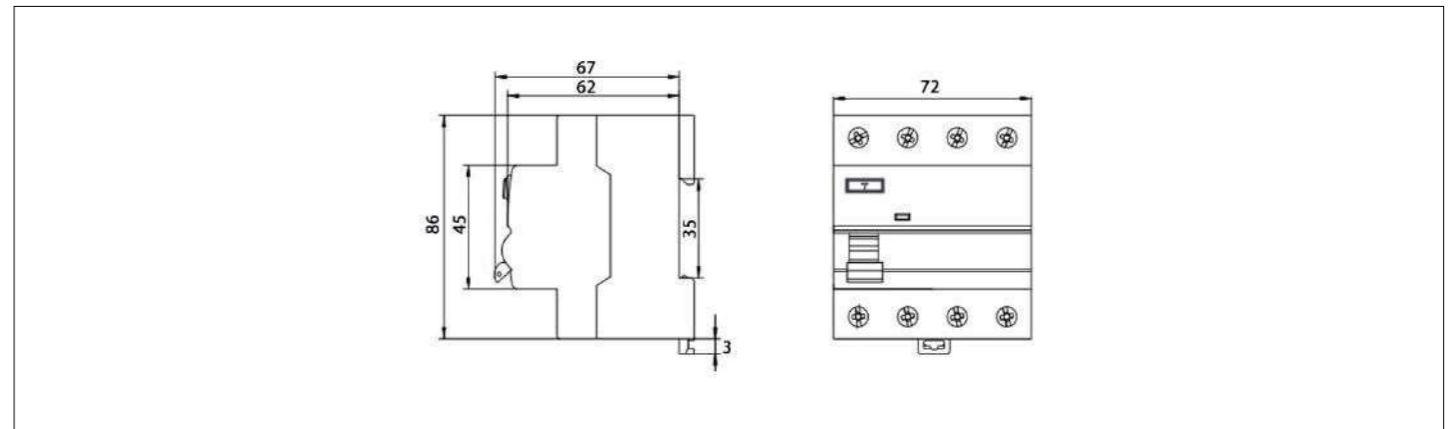
Specifications

Product Model	iID 63A	
Pole	2P	4P
Rated Current (A)	63	
Rated Residual Operating Current(mA)	30	
Rated Residual Non-operating Current (mA)	15	
Rated Voltage (V)	230	400
Residual Current Off-time	≤0.1S	
Short Circuit Capacity(Icu)	4500A	

Features

1. In compliance with IEC/EN61008-1
2. Bilateral busbar wiring capabilities to adapt to the wider use of premises
3. Maximum connecting ability of 35mm , wiring torque 3.5N*m, applicable to a variety of installing equipment
4. Protection class:IP20

Dimension



Application

YTTS1-C40 series surge protection device (in short SPD, alias: surge protector or surge arrester) is suitable for TN-S, TN-C-S, TT, IT etc, power system of AC 50/60Hz, <380V, installed on the joint of LPZ1 or LPZ2 or LPZ3. It's designed according to IEC61643-1, GB18802.1, it adopts 35 standard rail, there is a failure release mounted on the module of surge protection device, When the SPD fails in breakdown for over heat and over-current the failure release will help electric equipments separate from the power system and give the indication signal, green means normal, red means abnormal, it also could be replaced for the module when has operating voltage.



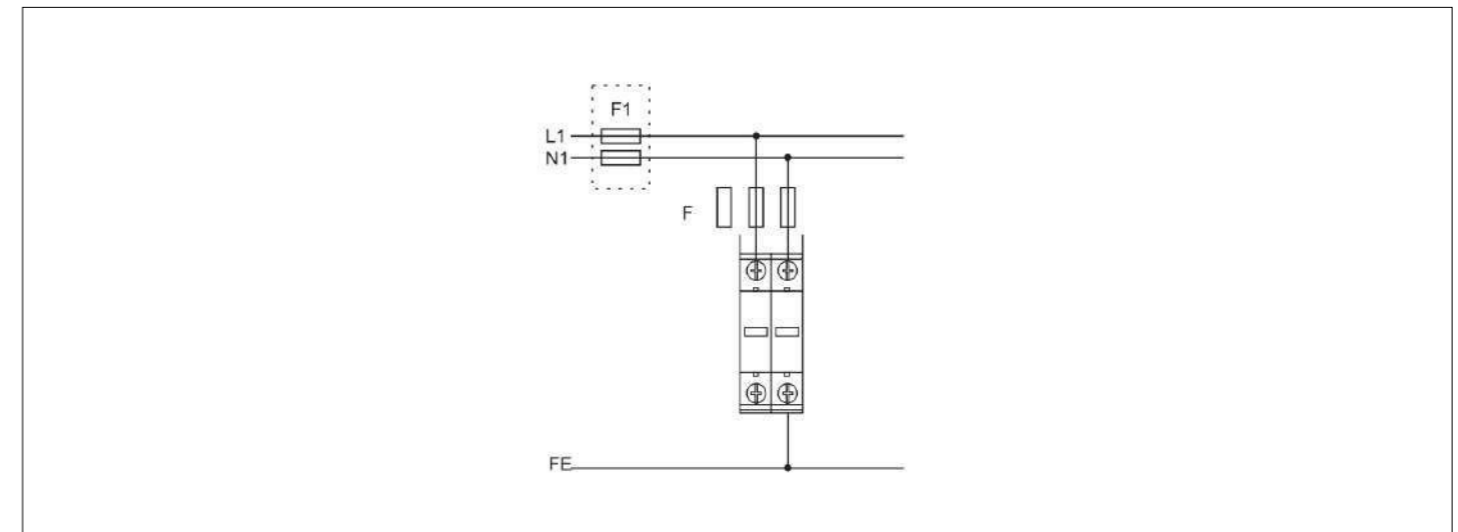
Specifications

Product Model	YTTS1-C40		
Pole	1P+N	2P	4P
Rated Frequency	One port		
SPD Category	Combined type		
Test Category	Class II test		
Maximum Continuous Operating Voltage U _c	275VAC	275VAC	385VAC
Voltage Protection Level U _p (8/20μs)	≤1.5kV	≤1.5kV	≤1.8kV
Nominal Discharge Current I _n (8/20μs)	20kA		
Maximum Discharge Current I _{max} (8/20μs)	40kA		
Response Time t _A	≤25ns		
Size	18x90x72	36x90x72	72x90x72
Failure Indication	Green: Normal Red: Failure		
Sectional Area Of Wires	6~25mm ²		
Installation Method	35mm standard rail		
Working Environment Temperature	-40°C ~ +85°C		
Sheathing Material	Plastic		
Protection Level	IP20		
Executive Standard	IEC 61643-11		

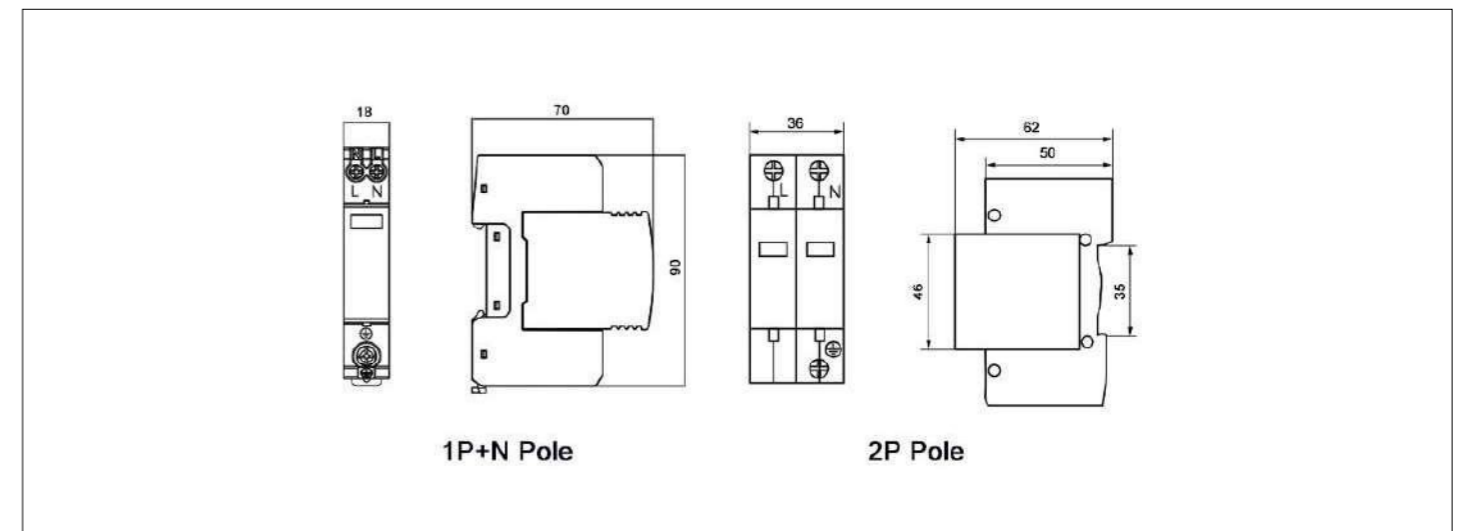
Features

1. Inside over-current and over-heat protection, temperature control open circuit
2. Module design, convenient installation, could be replaced
3. Time of response <25ns
4. The color of visible window shows operating status, green means normal, red means abnormal

Wiring Diagram



Dimension



Application

Type 1 + 2 SPD's have characteristics of type 1 but also type 2, they are capable of discharging a very high lightning current (T1 10/350µs) and they have as well a low residual voltage (Up). They are installed in the main distribution switchboard but also in subdistribution board. Because of their power, Type 1 + 2 SPD's can let pass through a too high residual voltage, if the announced Up is not compatible with the withstand voltage of the equipment to protect or if the cable length to the equipment is longer than 10m.



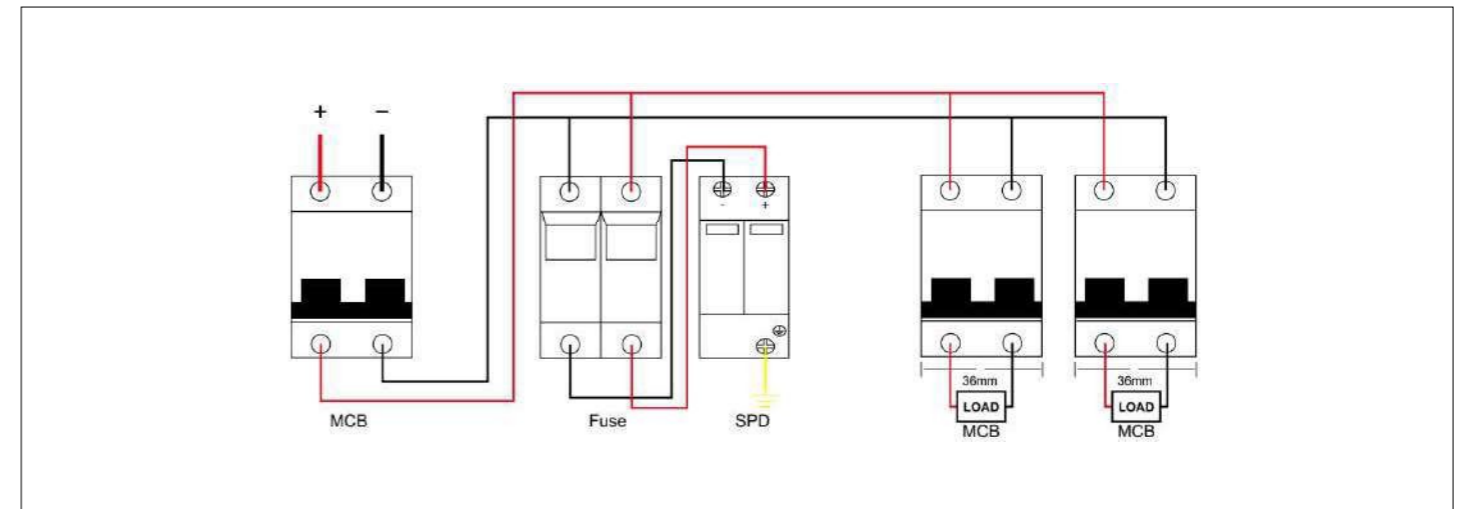
Specifications

Product Model	YTTS1-B+C/12.5
Pole	2P
Rated Frequency	One port
SPD Category	Combined type
Test Category	Class I+II test
Maximum Continuous Operating Voltage Uc	275VAC
Voltage Protection Level Up(8/20µs)	≤1.5kV
Nominal Discharge Current In(8/20µs)	20kA
Maximum Discharge Current Imax(8/20µs)	40kA
Impulse current Iimp (10/350µs)	12.5kA
Response Time tA	≤25ns
Size	36x90x 80
Failure Indication	Green: Normal Red: Failure
Sectional Area Of Wires	6~25mm ²
Installation Method	35mm standard rail
Working Environment Temperature	-40°C ~+85°C
Sheathing Material	Plastic
Protection Level	IP20
Executive Standard	IEC 61643-11

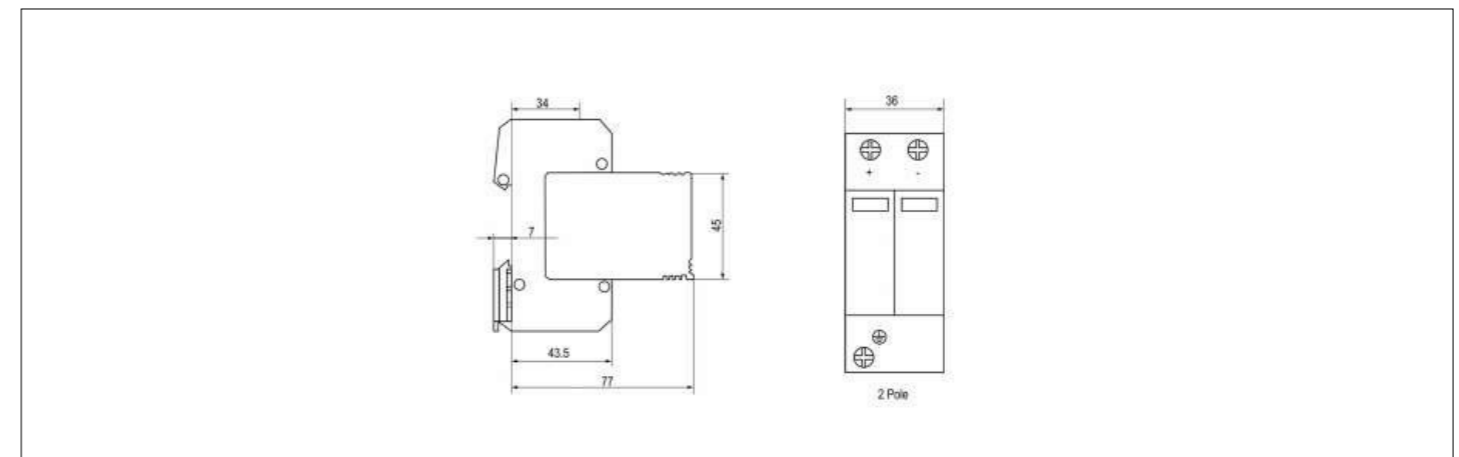
Features

1. Inside over-current and over-heat protection, temperature control open circuit.
2. Module design, convenient installation, could be replaced.
3. Time of response <25ns
4. The color of visible window shows operating status, green means normal, red means abnormal.

Wiring diagram



Dimension



Application

This series of fuses are suitable for AC 50-60 Hz , rated voltage up to 690V and rated current up to 32a . It is mainly used as short circuit protection (GG / GL) of electrical circuit and can also be derived into semiconductor equipment-and its complete assembly of short circuit protection (AR) and motor short circuit protection (AM) . The rated breaking capacity of this series of fuses is up to 50KA.



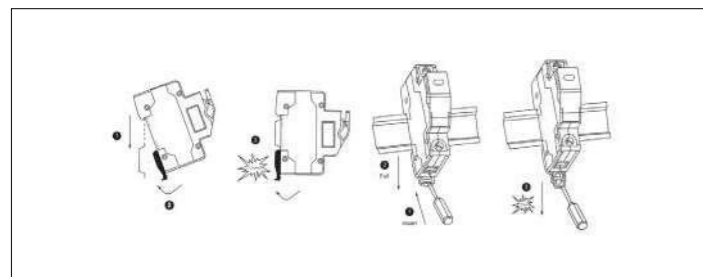
Specifications

Product Model	RT18-32X
Pole	1P
Colour	White/blue
Rated Current (A)	32
Rated Voltage(V)	500
Breaking capacity(kA)	50
Installation	Rail installation
Fuse link size(mm2)	10*38

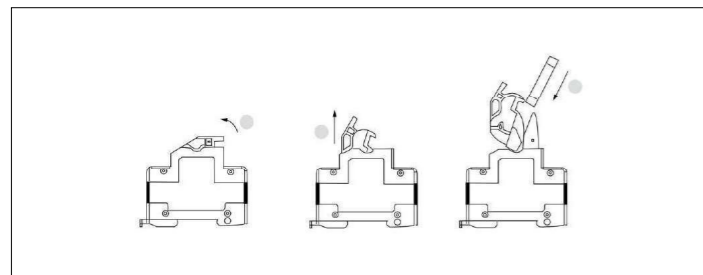
Features

1. Din35 Rail Installation,Easy to Install
2. Adjustable terminal block,Wiring firm
3. Fire-retardant shell,high temperature resistance
4. Flexible installation,Easy to replace

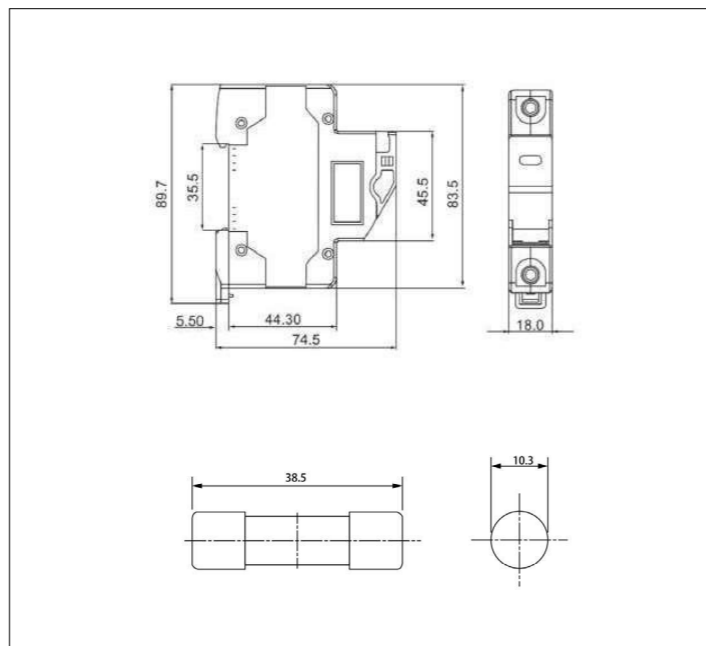
Installation



Replacement fuse



Dimension



Application

This series of fuses are suitable for AC 50-60 Hz , rated voltage up to 690V and rated current up to 63a . It is mainly used as short circuit protection (GG / GL) of electrical circuit and can also be derived into semiconductor equipment-and its complete assembly of short circuit protection (AR) and motor short circuit protection (AM) . The rated breaking capacity of this series of fuses is up to 50KA.



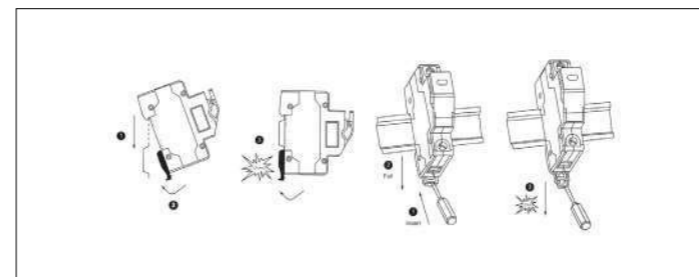
Specifications

Product Model	RT18-63X
Pole	1P
Colour	White
Rated Current (A)	2, 4, 6, 8, 10, 12, 16, 20, 25, 32, 40, 50, 63
Rated Voltage(V)	500
Breaking capacity(kA)	50
Installation	Rail installation
Fuse link size(mm2)	14*51

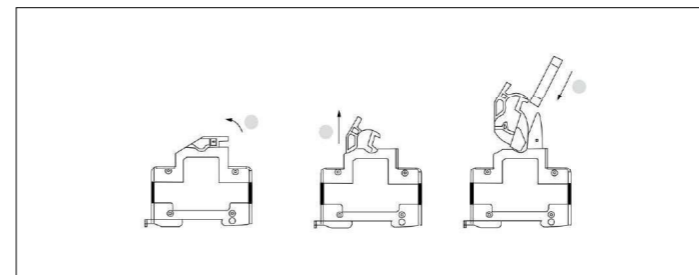
Features

1. Din35 Rail Installation,Easy to Install
2. Adjustable terminal block,Wiring firm
3. Fire-retardant shell,high temperature resistance
4. Flexible installation,Easy to replace

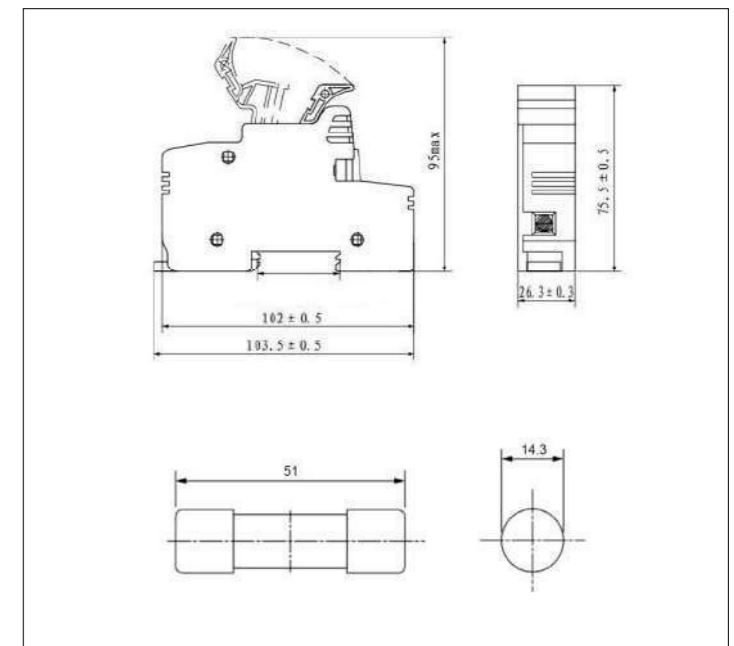
Installation



Replacement fuse



Dimension



Application

This series of fuses are suitable for AC 50-60 Hz , rated voltage up to 690V and rated current up to 125a . It is mainly used as short circuit protection (GG / GL) of electrical circuit and can also be derived into semiconductor equipment-and its complete assembly of short circuit protection (AR) and motor short circuit protection (AM) . The rated breaking capacity of this series of fuses is up to 50KA.



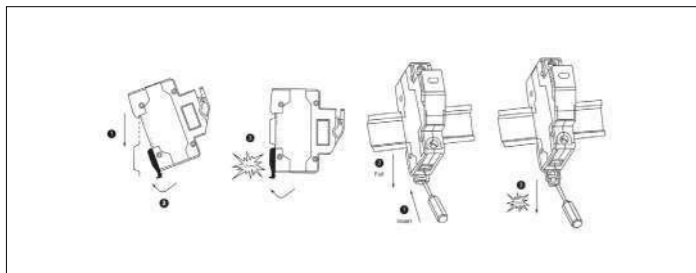
Specifications

Product Model	RT18-125AM
Pole	1P/2P/3P
Colour	White
Rated Current (A)	10, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125
Rated Voltage(V)	500
Breaking capacity(kA)	50
Installation	Rail installation
Fuse link size(mm2)	22*58

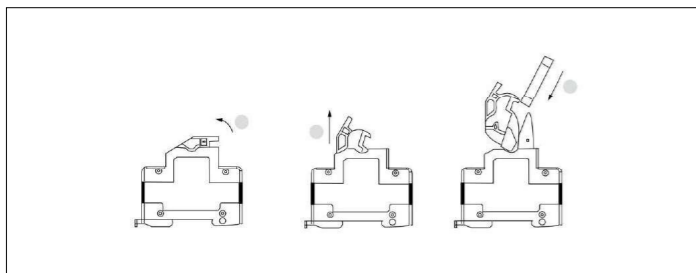
Features

1. Din35 Rail Installation,Easy to Install
2. Adjustable terminal block,Wiring firm
3. Fire-retardant shell,high temperature resistance
4. Flexible installation,Easy to replace

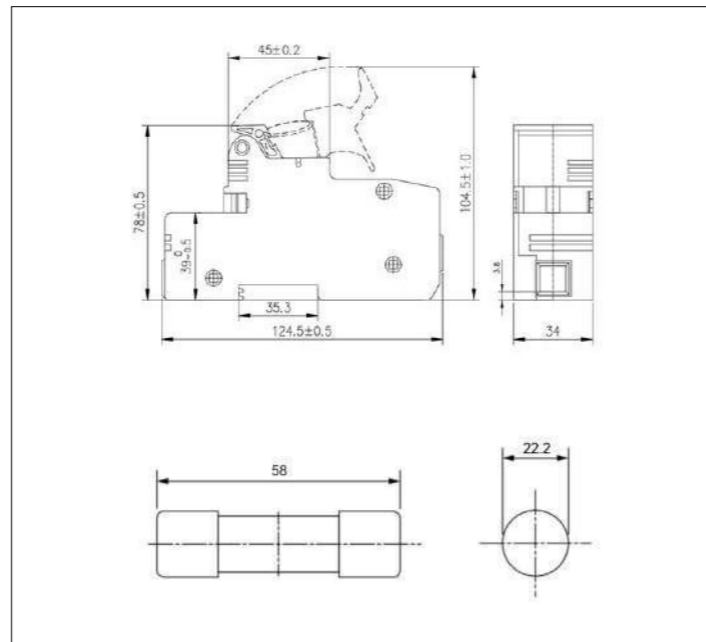
Installation



Replacement fuse



Dimension



Application

NH2 Fuse is designed to protect installations and equipment against overload and short-circuit currents on low voltage electrical circuits with different operating class such as gG/ gL , aM and aR. This square body with blade terminals fuse was made in a standardized configuration for global acceptance. NH2 HRC Fuse is available in multiple ampere ratings from 125A up to 400A, which helps match specific requirements in various industrial applications, such as motors, transformers, low voltage distribution, control circuits and so on.



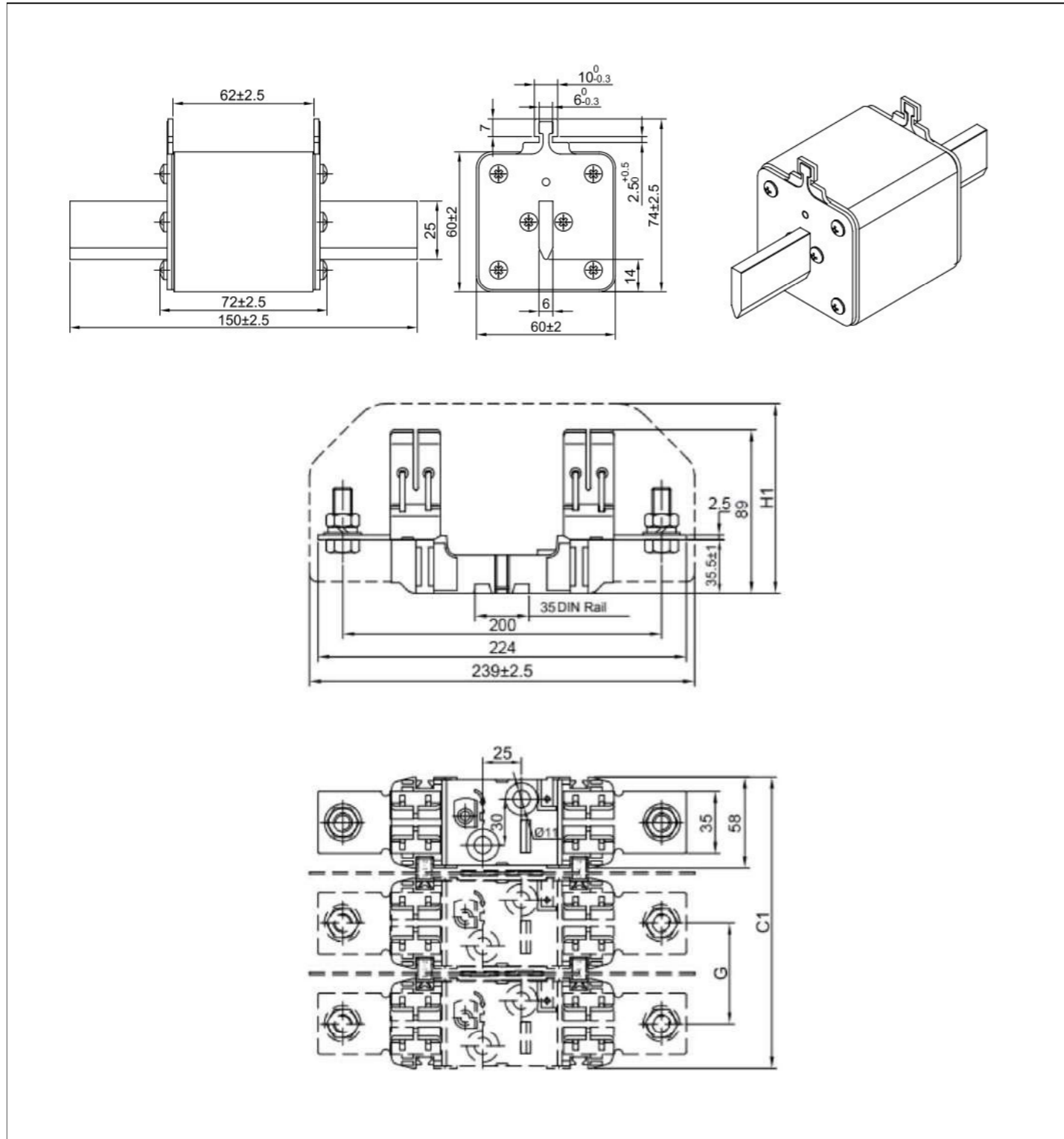
Specifications

Product Model	NH2
Colour	Yellow
Breaking capacity	120kA/50kA
Rated Current (A)	125A, 160A, 200A, 224A, 250A, 300A, 315A, 355A, 400A
Rated Voltage(V DC)	500/690

Features

1. Covering 500VAC, 690VAC, 800VAC and 1140VAC electrical distribution circuits and various industrial applications
2. 125-400A ampere ratings available
3. Full range protection
4. Meets IEC standards for global acceptance
5. Standardized square body with blade terminals construction
6. Low power dissipation performance for lower temperature rise
7. Open-ended installation

Dimension



Application

LW2R series dual-power automatic transfer switch is newly developed micro house power transfer switch. The Switch is mainly used for testing whether normal or spare power normal or not. When the normal power is abnormal, the spare power works at once, therefore ensure the continuity, reliability, and safety of power supply. The product is specially designed for household orbit-type installation and specifically used in Din-Rail distribution box.

W2R Series automatic transfer switch is suitable for the emergency power supply system 50 or 60Hz alternating current rated 400v, 100A. It is compact in structure, reliable in transfer in transfer, convenient in installation and maintenance, and has long life expectancy. Widely used in various occasions where continuous power failure is not allowed, it can be operated both electrically and manually.

W2R Series automatic transfer switch complies with requirements of Low-Voltage switch gear and control gear specified by IEC 60947-6-1.



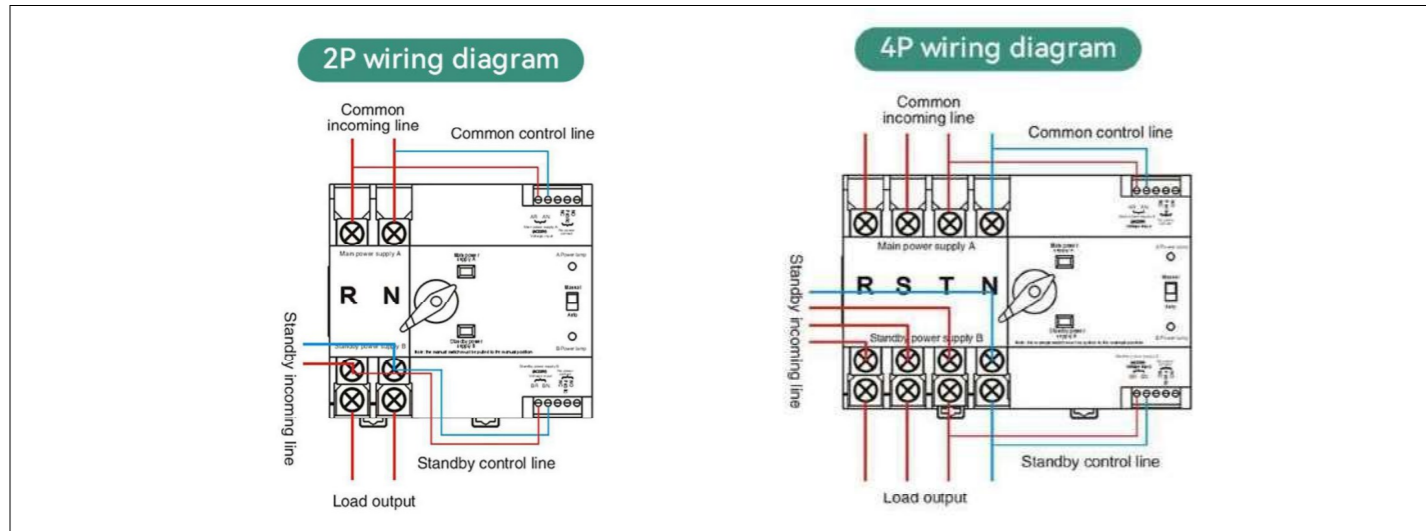
Specifications

Product Model	LW2R	LW3R	LW4R
Rated Current Ie: A	63A, 100A, 125A		
Insulation Voltage Ui	AC690V 50/60Hz		
Rated Voltage Ue	AC220V	AC400V	AC400V
Grade	PC Class		
Pole	2P	3P	4P
Weight	0.65kg	0.75kg	0.85kg
Electrical Life	2000times		
Mechanical Life	5000times		
Rated impulse withstand voltage	8KV		
Control Circuit Us	AC220V 50/60Hz		
Standard	IEC60947-6-1		
Operation	Manual / automatic		
Type	"Break-before-make" type ATS		

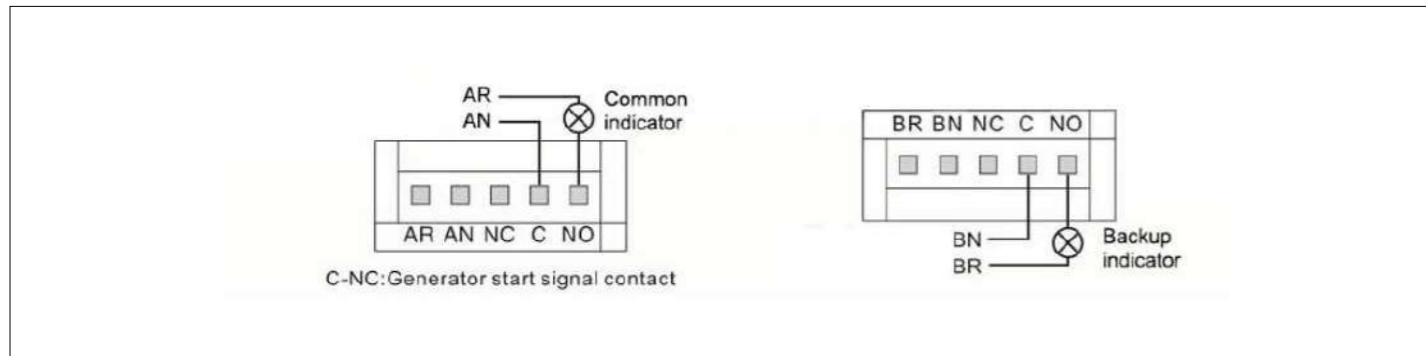
Features

1. Reasonable structure, small volume, nice appearance, provided with protective shield safer and more reliable power supply
2. Complete protective functions, including open phase and loss-of-voltage protection
3. Noiseless, energy saving, simple installation, easy operation, reliable and stable performance

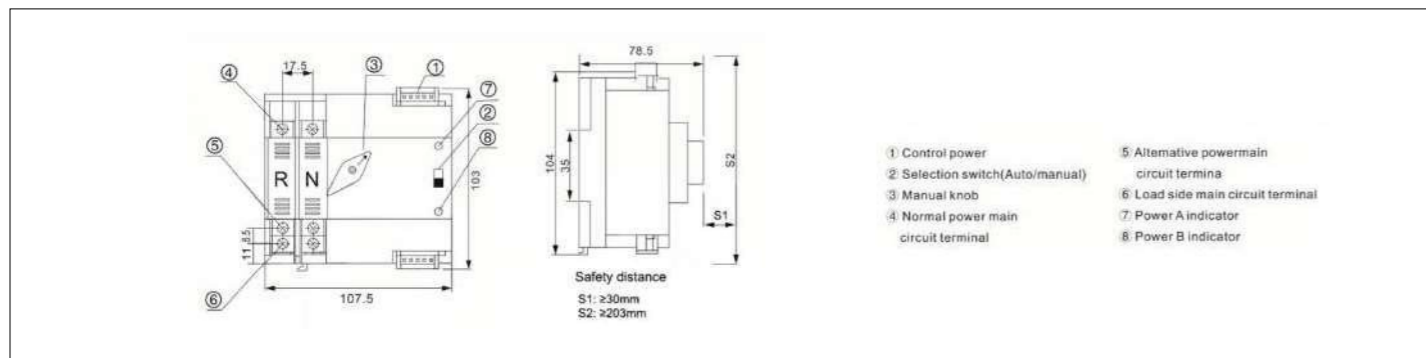
Main circuit wiring diagram



External power ON indication wiring diagram



Dimension



Application

Type double power automatic switching switch (hereinafter referred to as switch) is suitable for AC 50Hz or 60Hz, rated operating voltage 400V, rated operating current of grade a following double loop power supply system. The selective conversion between two power supplies may be required. The product has the functions of short circuit, overload undervoltage and loss of voltage protection. It also has the functions of fire protection, double output and closing signal. The utility model is especially suitable for installation and use of lighting circuits for office buildings, shopping malls, banks, stations, hospitals and high-rise buildings where fire protection requirements are required. Products meet GB/T14048.1 standards.



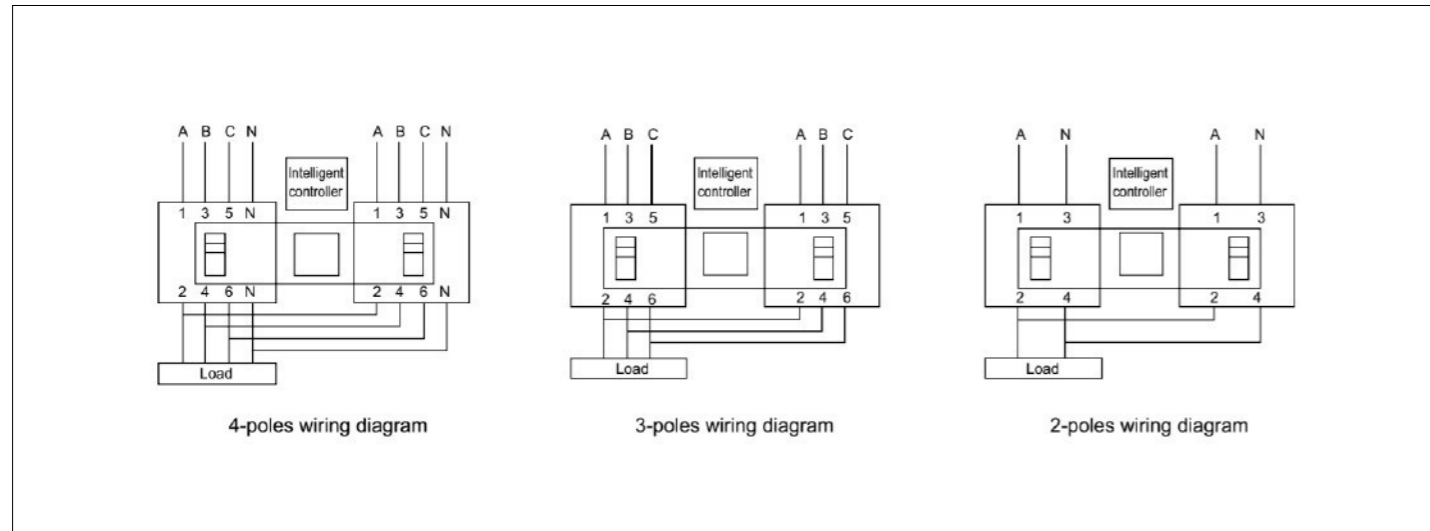
Specifications

Product Model	LW2R-63II	LW3R-63II	LW4R-63 II
Rated Current Ie: A	63A		
Insulation Voltage Ui	AC690V 50/60Hz		
Rated Voltage Ue	AC230V	AC400V	AC400V
Grade	CB Class		
Pole	2P	3P	4P
Rated impulse withstand voltage	4KV		
Rated short circuit making capacity Icm	6KA		
Rated short circuit breaking capacity Icn	4.5KA		
Electrical Life	2000times		
Mechanical Life	5000times		
Controller	Type A(basic type)		
Control Circuit Us	AC230V 50/60Hz		
Operating transfer time (no time delay)	≤3s		

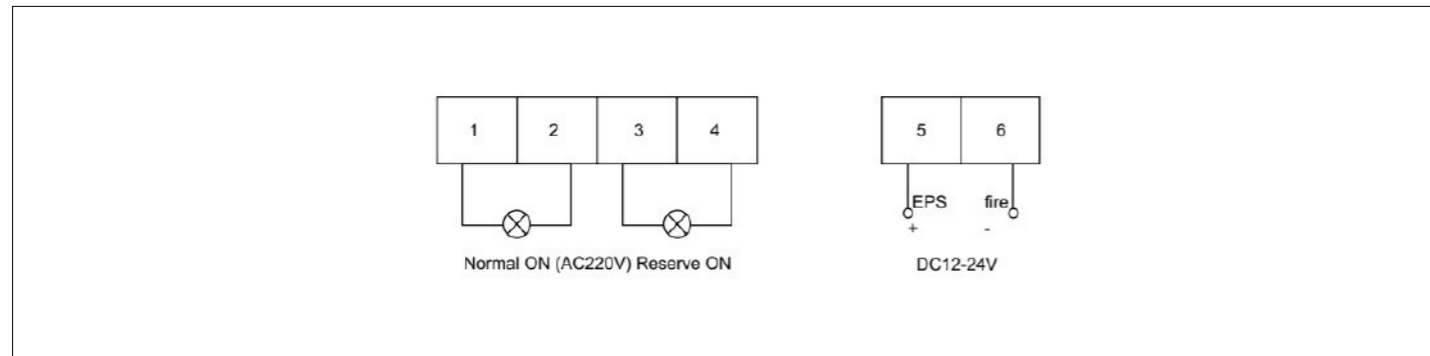
Features

1. The utility model has the advantages of reasonable structure, small size, beautiful appearance, and a protective cover, and the power supply is safer and more reliable.
2. protection function is complete, with short circuit, overload, lack of phase, undervoltage protection.
3. and EPS fire power interface, DC12~24V are reliable, long distance double points.
4. no noise operation, energy saving, convenient installation, simple operation, reliable and stable performance.

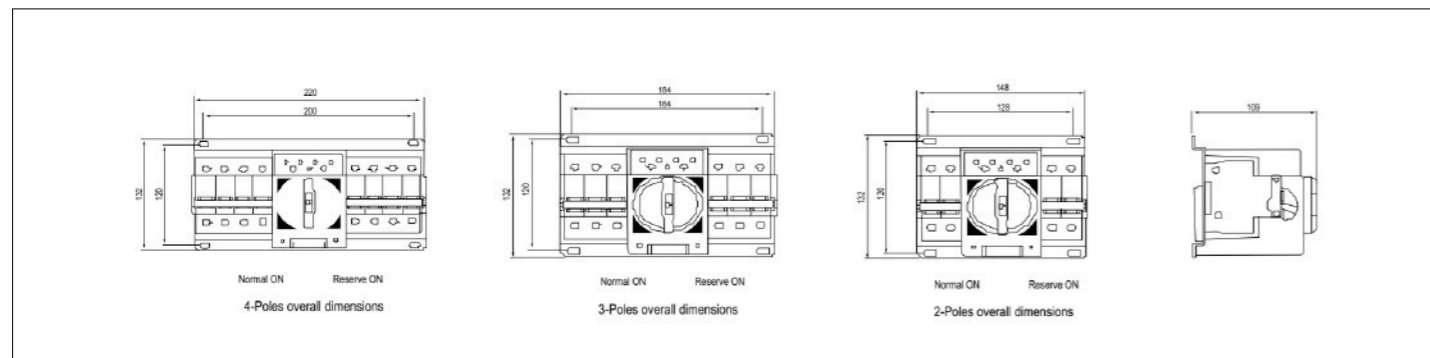
Main circuit wiring diagram



External power ON indication wiring diagram



Dimension



Application

Automatic transfer switch equipment (ATSE), is a device integrated with the switching function and logic control, truly perform electromechanical integration function, suitable for operating in the distribution system of AC50Hz, rated voltage AC400V, conventional thermal current up to 3200A in mineral and other enterprises. It provides the operation function of voltage detection, forcedly switching to off position, manual emergency operation and etc, widely used to shift between normal power and standby power or two loading equipment, or perform safe isolation and etc. the control circuit board will govern the motor through logic commands, then motor will drive the operating mechanism of main switches, quickly closing or opening or shift the lines, the safe isolation of main switch is obvious and legible by eye.



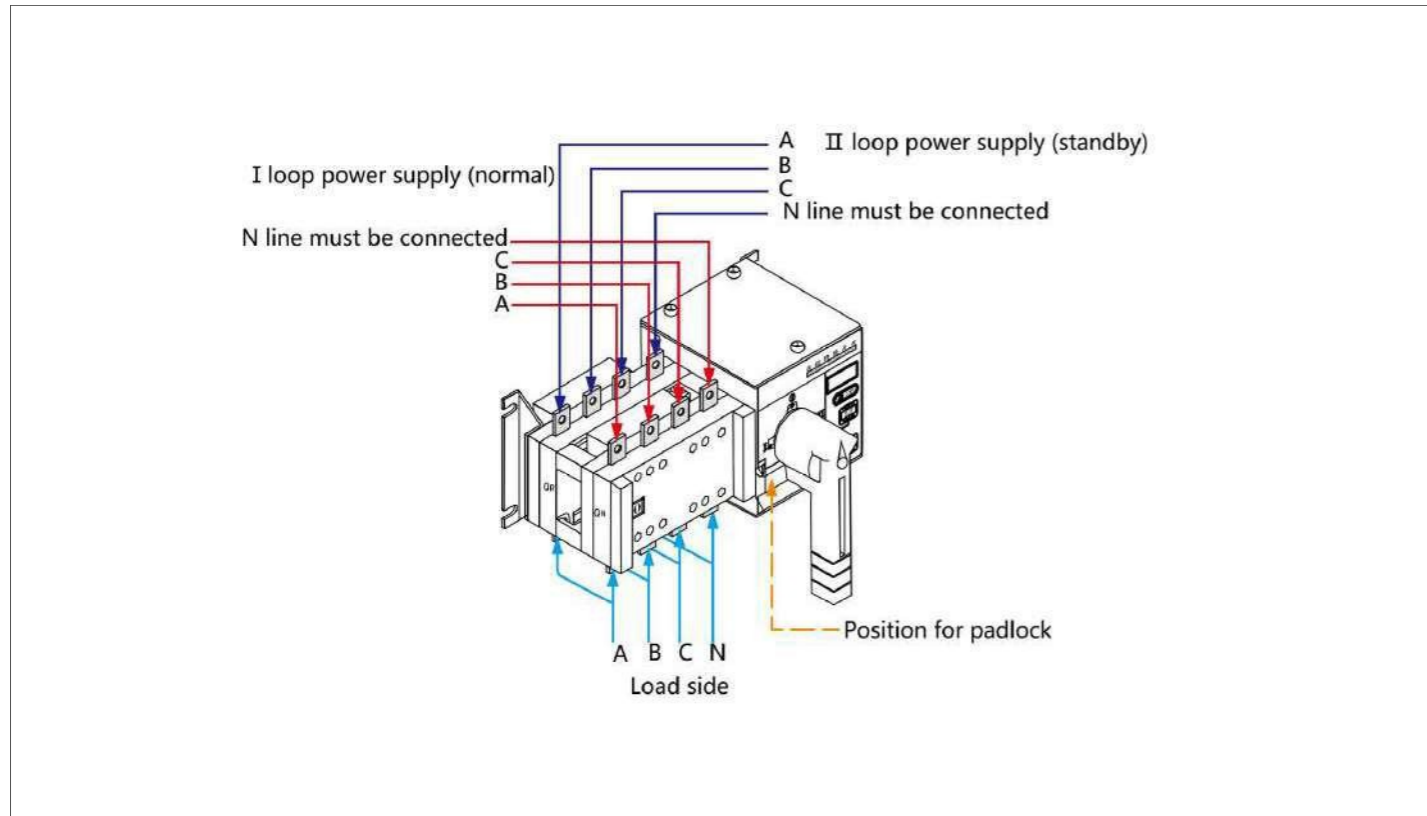
Specifications

Rated heating current(A)	100	160	250	400	630	1000	1250	1600	2000	2500	3200	
Rated insulation voltage Ui (V)	750						1000					
Rated working voltage (Ue)	AC400V											
Rated impact withstand voltage Uimp (kV)	8						12					
Rated operating current Ie (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-time withstand current Icw(kA)	7	9		13			50			55		
Rated limit short-circuit current(kA)	100			70			100	120		80		
Grade	PC Class											
Standard	IEC947-6-1 GB14048.11-2008											
Rated connecting capacity (A Rms)	10Ie											
Rated breaking capacity (A Rms)	8Ie											
Control supply voltage(V)	DC24V, 48V, 110V, AC220V											
Conversion time(S)	0.5	1	1.1	1.2			1.25		2.45			

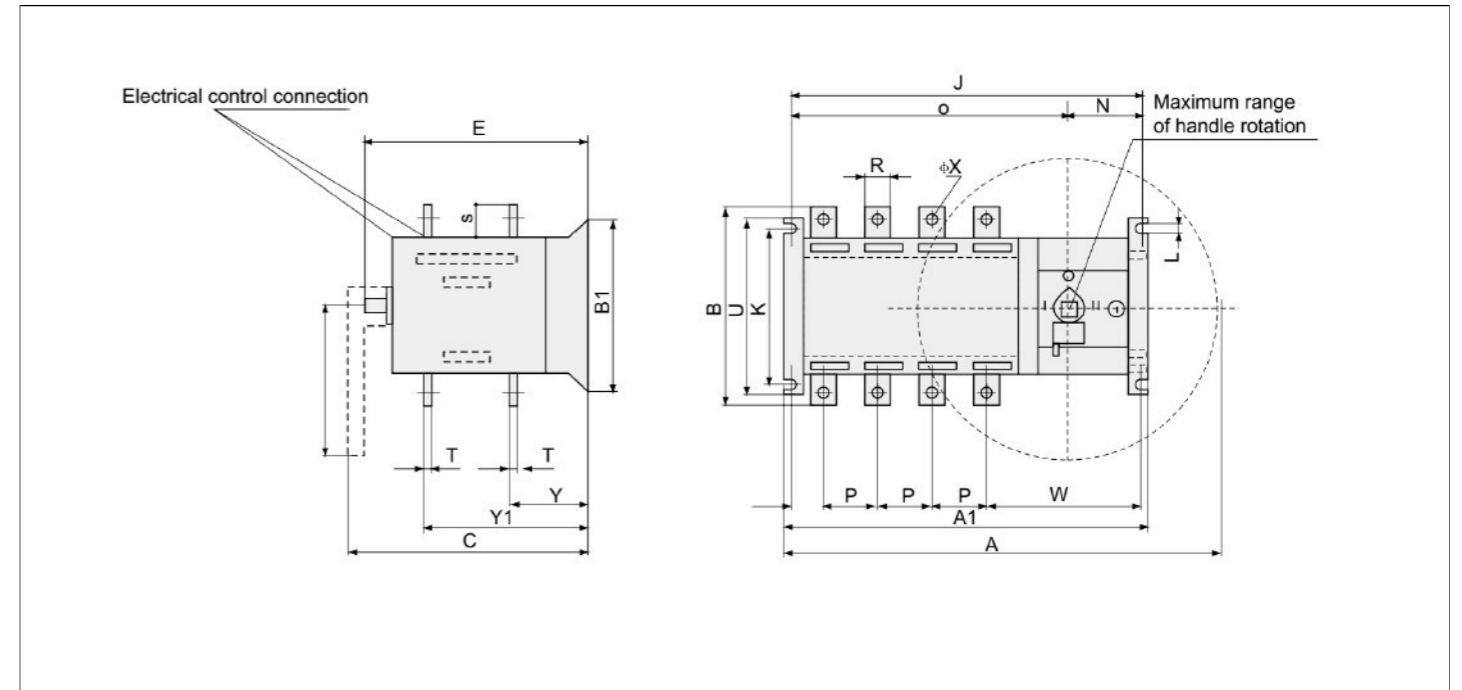
Features

1. Electric key lock: Control switch internal control line power, when the electric lock is turned on, the switch can be fully automatic, operation control, strong set "0" operation; when the electric lock is closed, the switch can only be operated manually.
2. Operating handle: When using the operating handle to operate manually, the electric lock must be closed.
3. Padlock: Maintenance-only, that is, first use the operating handle to make the switch in the "0" position, and then pick up the padlock mechanism and padlock, can be overhauled.
4. Indicator: Indicates the working status of the switch.

Wiring Diagram



Dimension



In	Product size and installation size																			
	A	A1	B	B1	C	E	G	J	K	L	N	P	R	S	T	U	W	X	Y	Y1
100A/3	235	232	106	105	134	133	115	221.5	84	7	74.5	30	14	18	2.5	105	126	6	36	86
100A/4	247	244	106	105	134	133	115	233.5	84	7	74.5	30	14	18	2.5	105	126	6	36	86
125A/3	292	270	135	128	230	189	145	254	102	7	91	36	20	25	3.5	127	158	9	55	125
125A/4	322	300	135	128	230	189	145	284	102	7	91	36	20	25	3.5	127	158	9	55	125
160A/3	292	270	135	128	230	189	145	254	102	7	91	36	20	25	3.5	127	158	9	55	125
160A/4	322	300	135	128	230	189	145	284	102	7	91	36	20	25	3.5	127	158	9	55	125
250A/3	356	312	170	142	261	208	145	293	102	7	91	50	25	30	3.5	142	168	11	60	145
250A/4	406	362	170	142	261	208	145	343	102	7	91	50	25	30	3.5	142	168	11	60	145
400A/3	487	368	260	222	284	273	189	351	180	9	93	65	32	40	5	222	203	11	83	193
400A/4	552	433	260	222	284	273	189	416	180	9	93	65	32	40	5	222	203	11	83	193
630A/3	487	368	260	222	284	273	189	351	180	9	93	65	40	50	6	222	203	12	83	193
630A/4	552	433	260	222	284	273	189	416	180	9	93	65	40	50	6	222	203	12	83	193
800A/3	646	519	357	250	363	350	443	499	220	11	87	120	60	69	8	250	207	12.5	109	254
800A/4	760	633	357	250	363	350	443	613	220	11	87	120	60	69	8	250	207	12.5	109	254
1000A/3	646	519	357	250	363	350	443	499	220	11	87	120	60	69	8	250	207	12.5	109	254
1000A/4	760	633	357	250	363	350	443	613	220	11	87	120	60	69	8	250	207	12.5	109	254
1250A/3	646	519	357	250	363	350	443	499	220	11	87	120	80	69	8	250	207	13	110	255
1250A/4	760	633	357	250	363	350	443	613	220	11	87	120	80	69	8	250	207	13	110	255
1600A/3	646	519	357	250	363	350	443	499	220	11	87	120	80	69	10	250	207	13	110	255
1600A/4	760	633	357	250	363	350	443	613	220	11	87	120	80	69	10	250	207	13	110	255
2000A	800	633	460		542		447	610			84.5		80	120	10					169
2500A	800	633	460		542		447	610			84.5		80	125	15					174
3200A	800	633	460		542		447	610			84.5		80	130	20					179

Application

The SF series rail-mounted dual power conversion isolation switch has four functions of on, off, conversion and isolation. It can be freely switched on and off between two loads carried by a group of lines, or on two power sources. It is used for on-off and switching between, using DIN standard rail (35×7.5) installation, the shell is made of PA66 injection molding, with high flame retardant performance is an ideal product that needs to be used for switching and opening and closing industrial equipment and circuits. The rated current of this product is 40A/63A, it is convenient and safe to install and wire on the guide rail.



Specifications

Product Model	SF 219G	
Pole	2P	4P
Rated Current (A)	40, 63	40, 63
Rated Voltage (V)	230/400	230/400
Contact form	1-0-2	
Working Temperature	-5°C ~ +40°C	
Enclosed Class	IP20	
Installation	Rail installation	
Frequency	50/60Hz	
Electrical Life	Not less than 1500 times	
Mechanical Life	Not less than 8500 times	

Instructions for use

2P MTS:

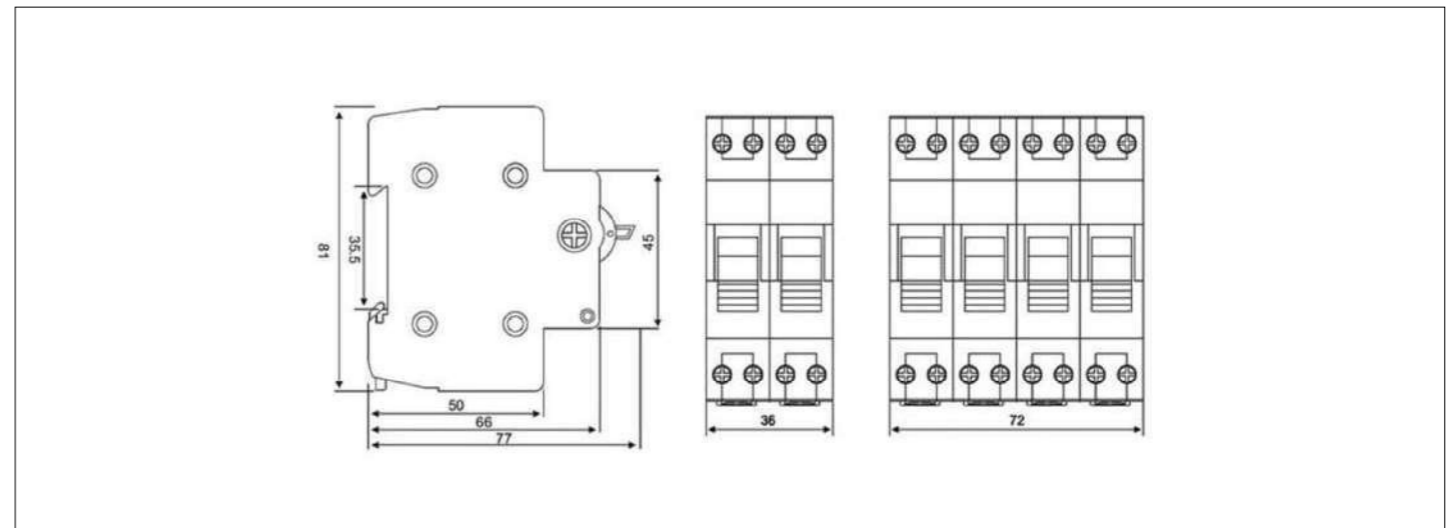
1. When the handle hits the I position: 1 and 2 are connected
5 and 6 are connected.
2. When the handle hits the II position: 1 and 4 are connected
5 and 8 are connected.
3. When the handle is in the middle position: both groups are disconnected.

4P MTS:

1. When the handle hits the I position: 1 and 2 are connected
5 and 6 are connected
9 and 10 are connected
13 and 14 are connected.
2. When the handle hits the II position: 1 and 4 are connected
5 and 8 are connected
9 and 12 are connected
13 and 16 are connected.
3. When the handle is in the middle position: both groups are disconnected.

The position of the incoming and outgoing wires can be adjusted according to actual needs (the upper and lower out are not necessarily required, when used for dual power switching, the lower in and upper out must be used.)

Dimension



Application

NBT1-63 interlock circuit breaker can be used as a hand-operated miniature dual power transfer switch. In the case of one side breaker closing, the other side of the circuit breaker can only be kept disconnected, and the protection functions of the common power supply (mains) and standby power supply line switching can be realized.

Interlock circuit breakers are suitable for use in industrial, shopping malls, shops, hospitals, mines, schools, government agencies and other special places with two main lines, often used with voltage regulators and other electrical appliances.



Specifications

Product Model	NBT1-63	
Pole	1P+1P	2P+2P
Rated Current (A)	63	
Rated Voltage (V)	230/400	400
Breaking Capacity(kA)	6	
Characteristic Curve	C	
Working Temperature	-5°C ~ +40°C	
Enclosed Class	IP20	
Standard	IEC60898-1	
Frequency	50/60Hz	
Electrical Life	Not less than 8000 times	
Mechanical Life	Not less than 20000 times	

Features

1. The product has increased the interlocking function, that is, in the case of the closing of one side of the circuit breaker, the other side of the circuit breaker can only maintain the disconnected state, and realize the protection functions such as line switching
2. The product has overload and short circuit protection functions, can be automatically disconnected when a fault occurs on the line, protect the line
3. Power in and out, in line with the characteristics of the power line, easy installation

Application

series product integrates over-voltage protection, under-voltage protection, over-current protection and integrated intelligent protector. When there is over-voltage, under-voltage and over-current solid barriers in the line, this product can instantly cut off the circuit, avoiding unnecessary damage to electrical equipment.



Specifications

Product Model	
Power supply	220/230VAC 50/60Hz
Max.Loading power	1~40A Adjustable(default:40A) 1~63A Adjustable(default:63A)
Over-voltage protection value range	240V~300V Adjustable(default:270V)
Under-voltage protection value range	140V~200V Adjustable(default:170V)
Power-on delay time	1s~300s Adjustable(default:30s)
Power consumption	<2W
Electric life	100,000 times
Machinery life	100,000 times
Installation	35mm DIN rail

Functions

- 1.Over-voltage protection
- 2.Under-voltage protection
- 3.Over-current protection
- 4.Automatic recovery
- 5.Voltage display(voltage measurement)
- 6.Current display (current measurement)

D52-2042 Series multi-function meter

Application

D52-2042 rail type digital multi-function meter displays the measured AC voltage, current at the same time.

D52-2048 rail type digital multi-function meter displays the measured AC voltage, current, active power, apparent power and power factor at the same time.

The measuring current range of the meter is within 99.9a, and no external AC transformer is required. The current measurement can be completed by passing the wire of the measuring circuit through the small round hole on the right side of the instrument. The measuring current range of the instrument is beyond 99.9a, and external transformer is required. It is suitable for many power distribution equipment meters, and can monitor the use status of electrical appliances in real time.



Specifications

Product Model	D52-2042		D52-2048	
	Measurement voltage	AC80-300V	AC200-450V	AC80-300V
Measuring current	AC100A (additional transformer is required if it is greater than 100A)			
Active power	-	-	0-30000W	0-45000W
Apparent power	-	-	0-30000VA	0-45000VA
Power factor	-	-	1.000-0.000	
Power supply	No power supply is required			
Measurement accuracy	0.5%			
Installation	35mm din rail installation			
Display	0.31 inch LED digital tube			
Function	Monitoring and measurement of voltage and current			

Features

1. Adopting high strength fire retardant material, safe and reliable
2. High measurement accuracy, stable performance
3. Compact size and sturdy structure, easy installation
4. No external AC transformer is required for measuring current within 99.9A
5. Simply pass the wire of the measuring loop through the small round hole on the right side of the meter to complete the measurement

ADC50-D Series DC Contactor

CHYT

Performance parameter

Electrical life	≥20000 times	Insulation resistance	50mΩ after 100mΩ service life
Mechanical life	≥300000 times	Coil insulation resistance	50mΩ after 100mΩ service life
Contact resistance	≤30mΩ	Contact withstand voltage	No flashover or breakdown for 1 minute
Action time	≤30ms	Coil withstand voltage	No flashover or breakdown for 1 minute
Release time	≤15ms	Wiring torque	Recommended torque 4-5N.m, 6.0N.m(Max)
Bounce time	≤5ms		



Use environment

Temperature	-25 °C ~ +55 °C
Humidity	5% ~ 95%
Rated load current	50A
Installation mode	Side

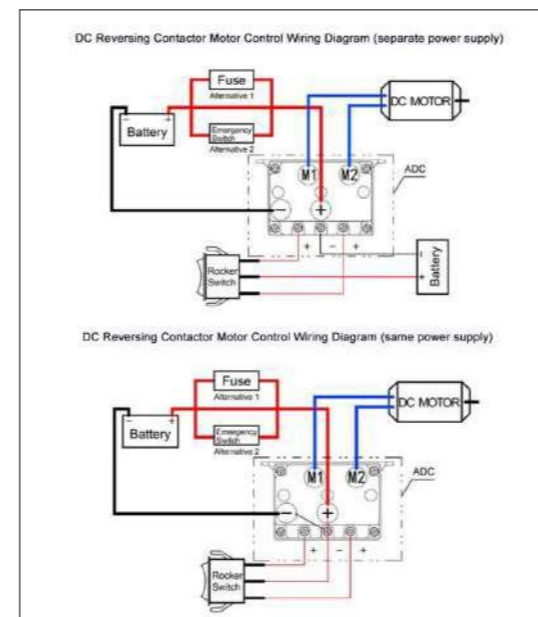
Load contact parameters

Contact form	Two group conversion
Contact material	Silver alloy contact
Number of contacts	16 pcs
Minimum applicable load	DC 6V 1A
Working system	Long time work 7 * 24 hours

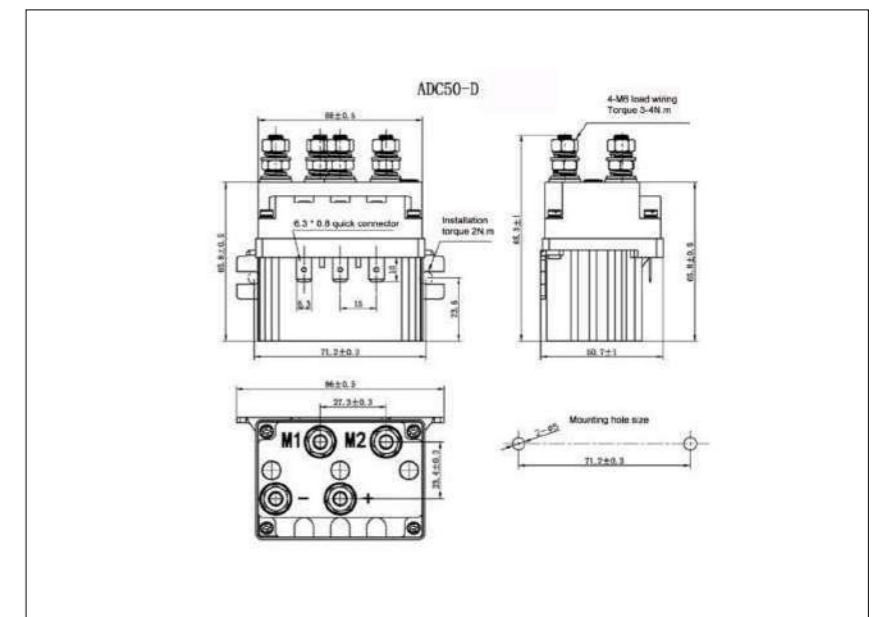
Features

1. Low temperature rise
2. Low fever
3. Power saving
4. Long life
5. IP67 protection grade
6. Long time work 7 * 24 hours

Wiring Diagram



Wiring Diagram



Performance parameter

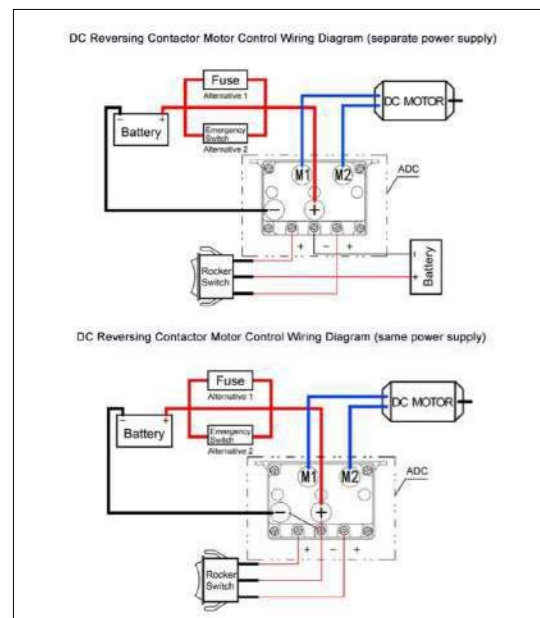
Rated current	200A	Rated voltage	12V/24V/36V/48V
Model	ADC200-I	Insulation resistance	≥50mΩ
Electrical life	≥20000 times	Contact form	2NO and 2NC
Mechanical life	≥300000 times	Working environment	-40°C~+85°C
Coil power	≤25W	Working system	Short time work within 5 minutes
Dimension	81mm*52mm*76mm	Starting current	≤4A
Weight	≤410g	Electrical strength	≤50Hz/60Hz 1500VAC/1min



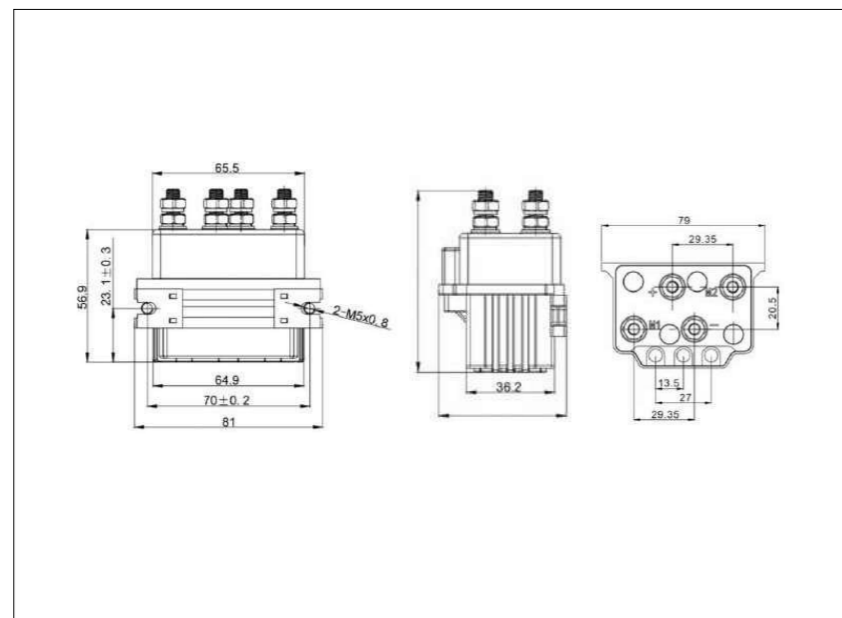
Features

1. Low temperature rise
2. Low fever
3. Power saving
4. Long life
5. IP67 protection grade
6. Short time work within 5 minutes

Wiring Diagram



Wiring Diagram



Performance parameter

Electrical life	≥20000 times	Insulation resistance	50mΩ after 100mΩ service life
Mechanical life	≥300000 times	Coil insulation resistance	50mΩ after 100mΩ service life
Contact resistance	≤30mΩ	Contact withstand voltage	No flashover or breakdown for 1 minute
Action time	≤30ms	Coil withstand voltage	No flashover or breakdown for 1 minute
Release time	≤15ms	Wiring torque	Recommended torque 4-5N.m, 6.0N.m(Max)
Bounce time	≤5ms		



Use environment

Temperature	-25 °C ~ +55 °C
Humidity	5% ~ 95%
Rated load current	300A
Installation mode	Side

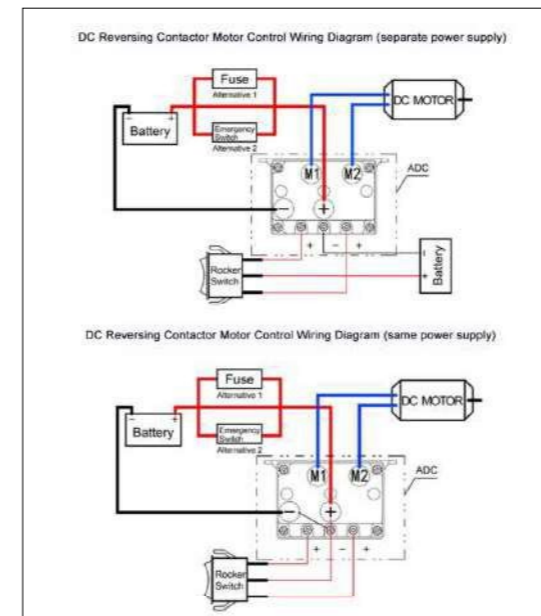
Load contact parameters

Contact form	Two group conversion
Contact material	Silver alloy contact
Number of contacts	16 pcs
Minimum applicable load	DC 6V 1A
Working system	Short time work within 5 minutes

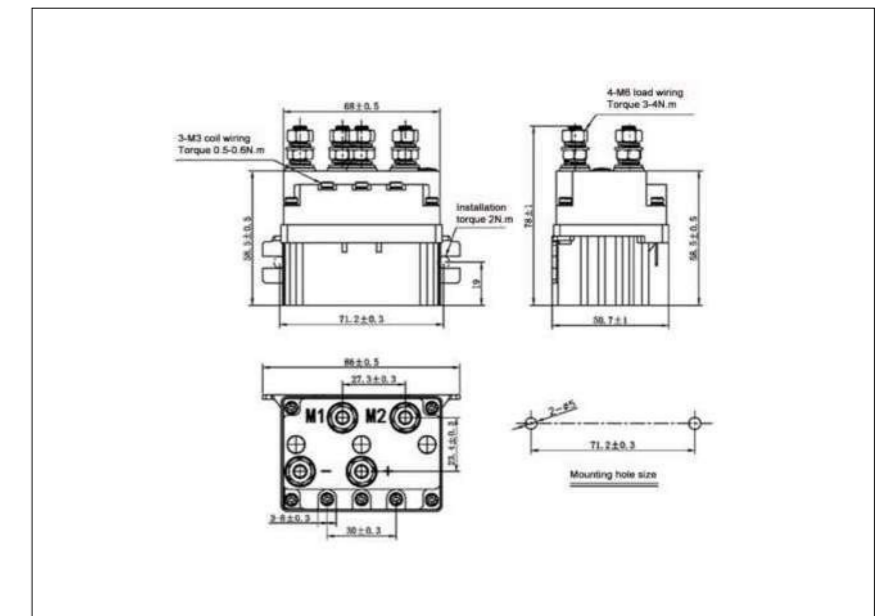
Features

1. Low temperature rise
2. Low fever
3. Power saving
4. Long life
5. IP67 protection grade
6. Short time work within 5 minutes

Wiring Diagram



Wiring Diagram



Product parameters

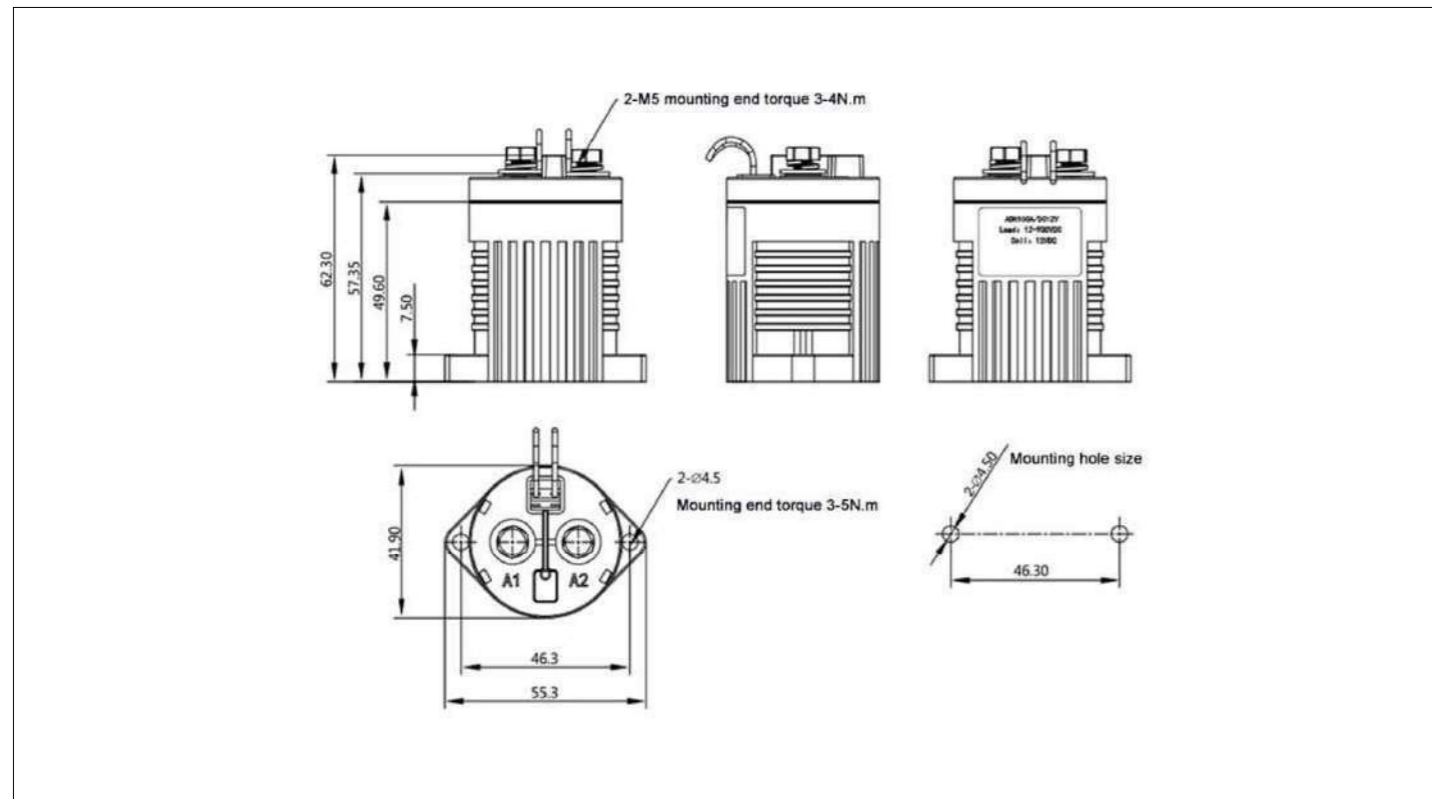
Rated current	100A	Rated voltage	12V/24V
Model	ADH-100/900	Contact form	1 NO
Coil voltage	12V, 24V, etc.	Export mode	M5 internal thread
Temperature	-40°C~+85°C	Voltage	12VDC: 9~16V 24VDC: 18~32V
Humidity	5~95%RH	Power waste	12VDC: ≥5.5W 24VDC: ≥6W
Dimension	55mm*42mm*62mm	Coil resistance	12VDC: 26MΩ 24VDC: 96MΩ
Weight	700g	Starting current	12VDC: 0.46A 24VDC: 0.25A



Features

- | | |
|---------------------------|--------------------------|
| 1. Epoxy sealing | 1. Small volume |
| 2. Low energy consumption | 2. Light weight |
| 3. Low fever | 3. High switching power |
| 4. Long service life | 4. IP67 protection grade |

Installation drawing



Product parameters

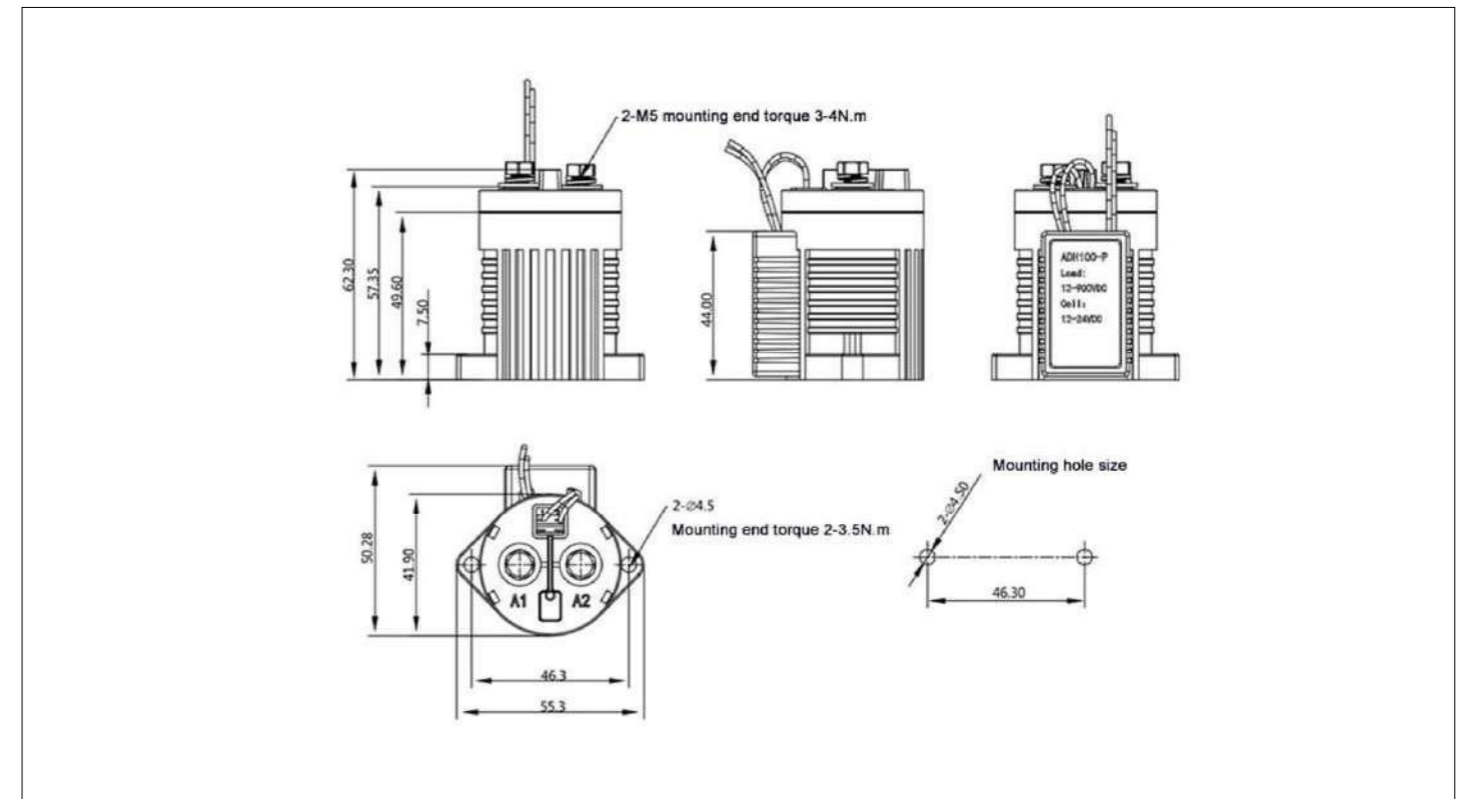
Rated current	100A	Rated voltage	12V/24V
Model	ADH-100-E	Contact form	1 NO
Coil voltage	8~36V	Export mode	M5 internal thread
Temperature	-40°C~+85°C	Voltage	8~36V
Humidity	5~95%RH	Power waste	2~2.3W
Dimension	55mm*50mm*62mm	Coil resistance	4.7MΩ
Weight	700g	Starting current	1.5A



Features

- | | |
|---------------------------|--------------------------|
| 1. Epoxy sealing | 1. Small volume |
| 2. Low energy consumption | 2. Light weight |
| 3. Low fever | 3. High switching power |
| 4. Long service life | 4. IP67 protection grade |

Installation drawing



Application

This product have one normally open contact, for electric vehicles, telecommunication equipment, engineering machinery, car batteries, electric forklift trucks, trains, ships, electronic control systems such as uninterruptible power supply.



Product parameters

Product Model	ZJ200D
Rated voltage	24V
Contact circuit rated load current	200A
Working system	Continuous
Export mode	M8 external thread
Dimension	85mm*56mm*93mm
Weight	≤450g
Protection	IP50
Temperature	- 25 °C ~ + 55 °C
Humidity	5% ~ 95%
Insulation resistance	≥50MΩ
Coil power	Start-up≤250W, keep≤5W
Coil type	Double coil
Electrical strength	≤50Hz/60Hz 1500VAC/1min

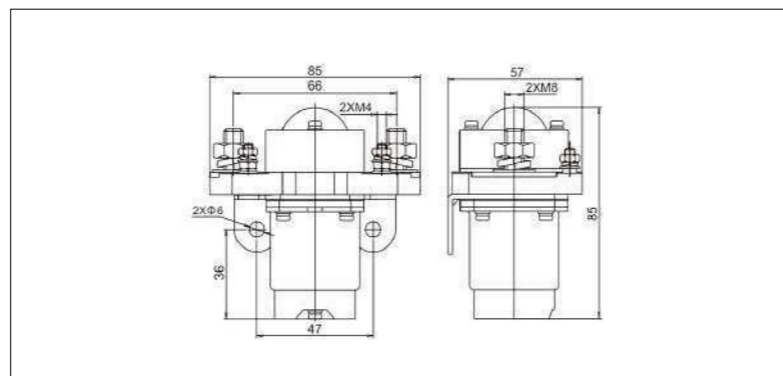
Main contact parameters

Electrical life	≥20000 times	Release time	≤20ms
Mechanical life	≥300000 times	Bounce time	≤5ms
Contact form	1NO	Overload current	≤7I _e , >1s
Action time	≤30ms	Contact material	AgSnO/Cu or AgCuO/Cu
Contact depressurization	≤100mV		

Features

1. Low temperature rise
2. Low fever
3. Power saving
4. Long life
5. IP50 protection grade

Dimension



Application

This product have one normally open contact, for electric vehicles, telecommunication equipment, engineering machinery, car batteries, electric forklift trucks, trains, ships, electronic control systems such as uninterruptible power supply.



Product parameters

Product Model	ZJW200A
Rated voltage	24V, 48V
Contact circuit rated load current	200A
Working system	Continuous or intermittent
Export mode	M8 external thread
Dimension	86mm*46mm*122mm
Weight	≤700g
Protection	IP50
Temperature	- 25 °C ~ + 55 °C
Humidity	5% ~ 95%
Insulation resistance	≥50MΩ
Coil power	≤12W
Coil type	Single coil
Electrical strength	≤50Hz/60Hz 1500VAC/1min

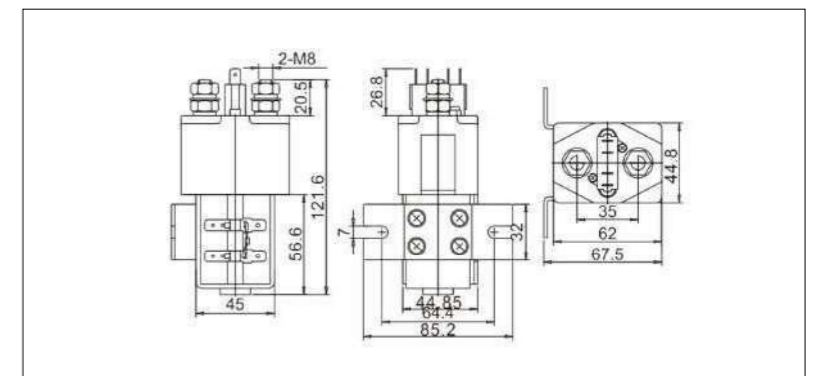
Main contact parameters

Electrical life	≥20000 times	Release time	≤20ms
Mechanical life	≥300000 times	Bounce time	≤5ms
Contact form	1NO	Overload current	≤7I _e , >1s
Action time	≤30ms	Contact material	AgSnO/Cu or AgCuO/Cu
Contact depressurization	≤100mV		

Features

1. Low temperature rise
2. Low fever
3. Power saving
4. Long life
5. IP50 protection grade

Dimension



Application

NR80 series contactors are suitable for the battery or the rectification power and supplies power, using for the pump motor and other electronic vehicles .



Product parameters

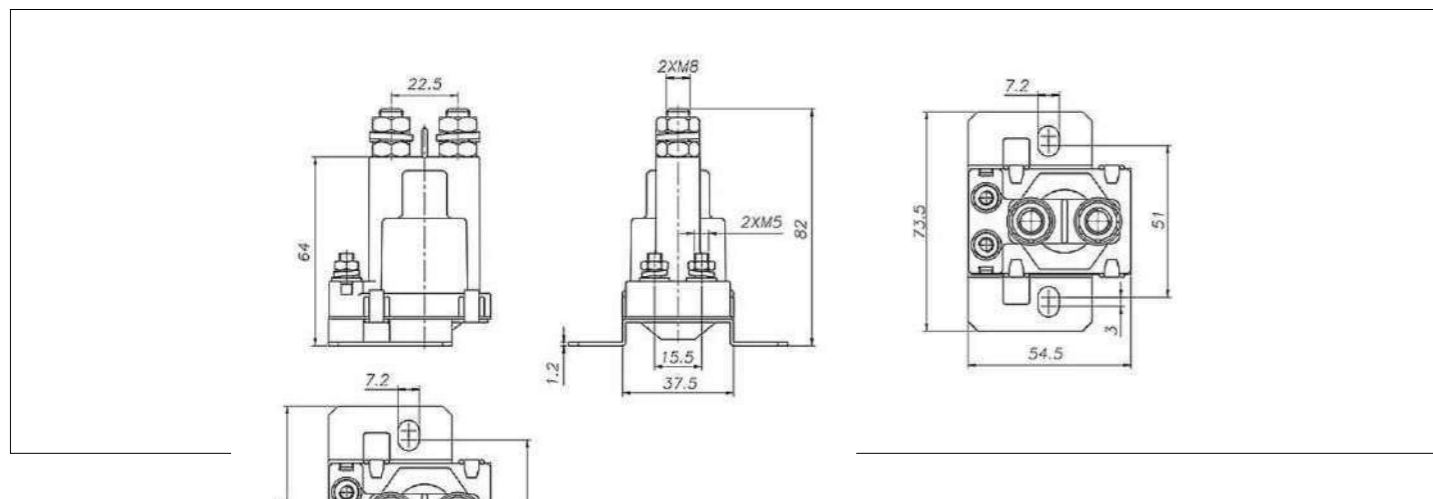
Parameters	Coil voltage of contact circuit (V)		
	12	24	48
Max. coil current(A)	0.38	0.31	0.16
Main rated load current of contact circuit(A)	80A		
Rated voltage of contact circuit(V)	6-80V DC		
Dielectric(volt)strength	50Hz 1000V AC 1min		
Rated load current of contact circuit	Not above 80mV		
Operating time	Pickup (contact makes):>30ms,		
	Release (contact breaks):>30ms		
Action characteristic	Pickup (contact makes):>66%Us,		
	Release (contact breaks):>30%Us, <5%Us		
Mechanical life	100000 times		
Electric life	20000 times		

Notes: Specifications subject to change as the customers' request.

Features

1. Low temperature rise
2. Low fever
3. Power saving
4. Long life
5. IP50 protection grade

Dimension



Specifications

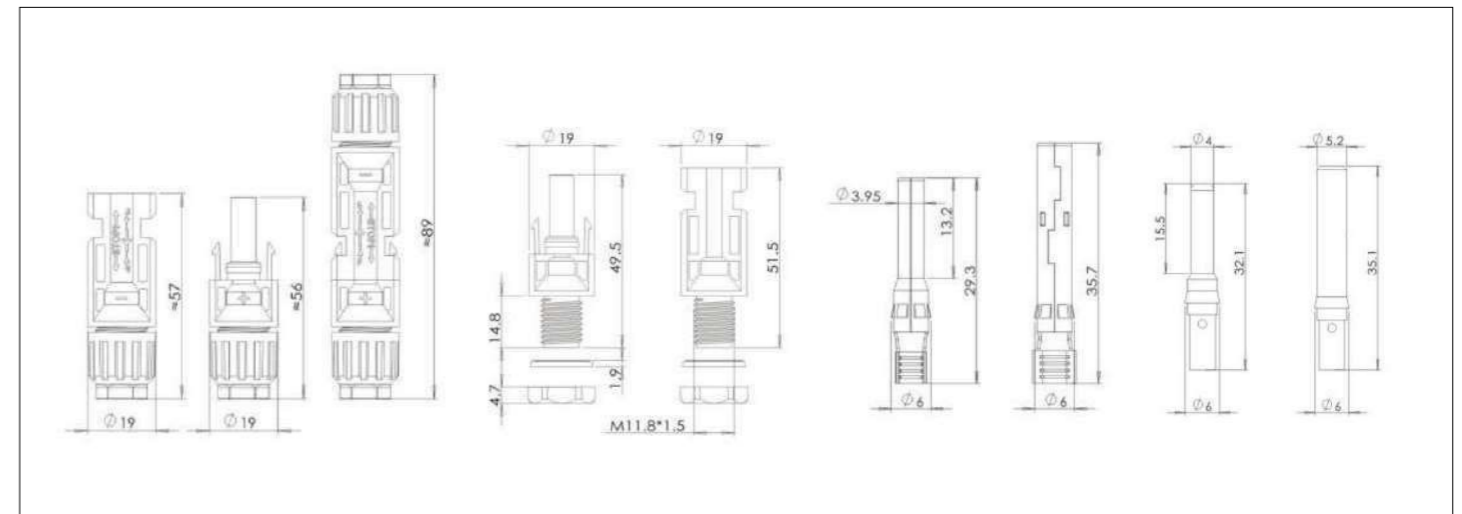
Connector system	Φ4mm
Rated voltage	1000V DC(IEC)1
Rated current	17A(1.5mm ²)
	22A(2.5mm ² ,14AWG)
	30A(4mm ² ,6mm ² ,12AWG,10AWG)
Test voltage	6kV(50HZ,1min)
Ambient temperature range	-40°C~+90°C(IEC) -40°C~+75°C(UL)
Upper limiting temperature	+105°C(IEC)
Contact material	Copper, Tin-plated
Insulation material	PC/PPO
Degree of protection, mated	IP67
unmated	IP2X
Contact resistance of plug connectors	0.5mΩ
Flame class	UL94-VO
Safety class	II
Locking system	Snap-in
Salt mist spray test, degree of severity 5	IEC60068-2-52



Features

1. Simple on-site processing
2. Acomodates PV cable with different insulation diameters
3. Mating safety provided bykeyed housings
4. Multiple plugging and unplugging cycles
5. High current carrying capacity

Dimension



1500V MC4 Series Solar Connector

Specifications

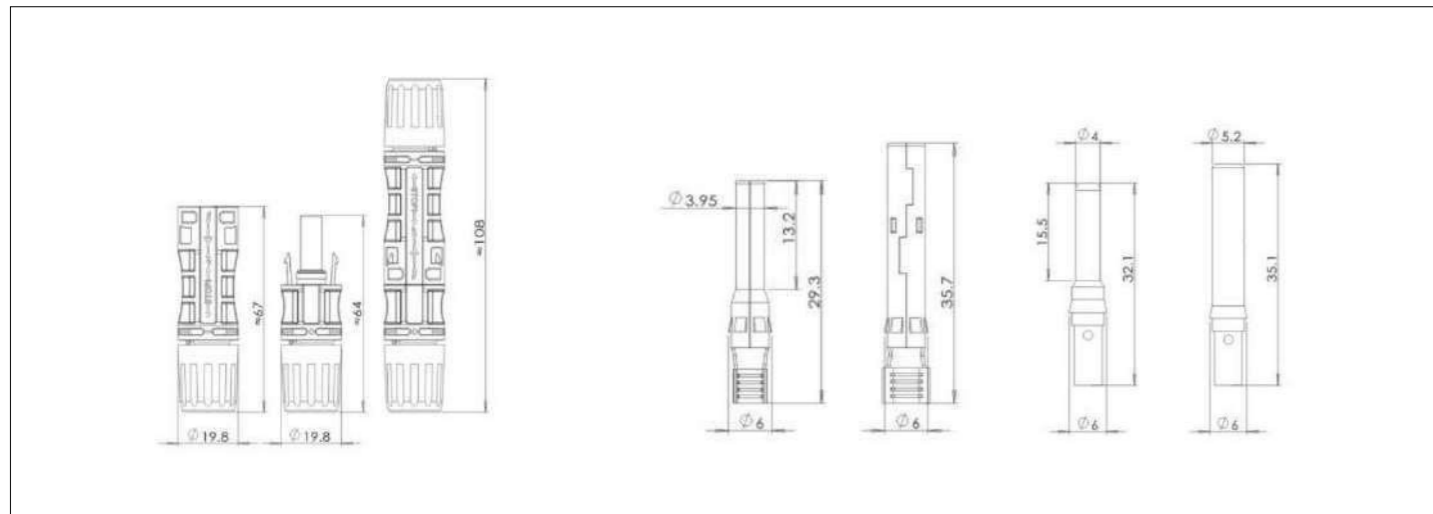
Connector system	Φ4mm
Rated voltage	1500V DC(IEC)1 1000V/ 1500V DC(UL)2
Rated current	17A(1.5mm ²)
	22A(2.5mm ² ,14AWG)
	30A(4mm ² ,6mm ² ,12AWG,10AWG)
Test voltage	6kV(50HZ,1min)
Ambient temperature range	-40°C~+90°C(IEC) -40°C~+75°C(UL)
Upper limiting temperature	+105°C(IEC)
Contact material	Copper, Tin-plated
Insulation material	PC/PV
Degree of protection, mated	IP67
unmated	IP2X
Contact resistance of plug connectors	0.5mΩ
Flame class	UL94-VO
Safety class	II
Locking system	Snap-in
Salt mist spray test, degree of severity 5	IEC60068-2-52



Features

1. Simple on-site processing
2. Accommodates PV cable with different insulation diameters
3. Mating safety provided by keyed housings
4. Multiple plugging and unplugging cycles
5. High current carrying capacity

Dimension



MC4B Solar Branch Connector



Specifications

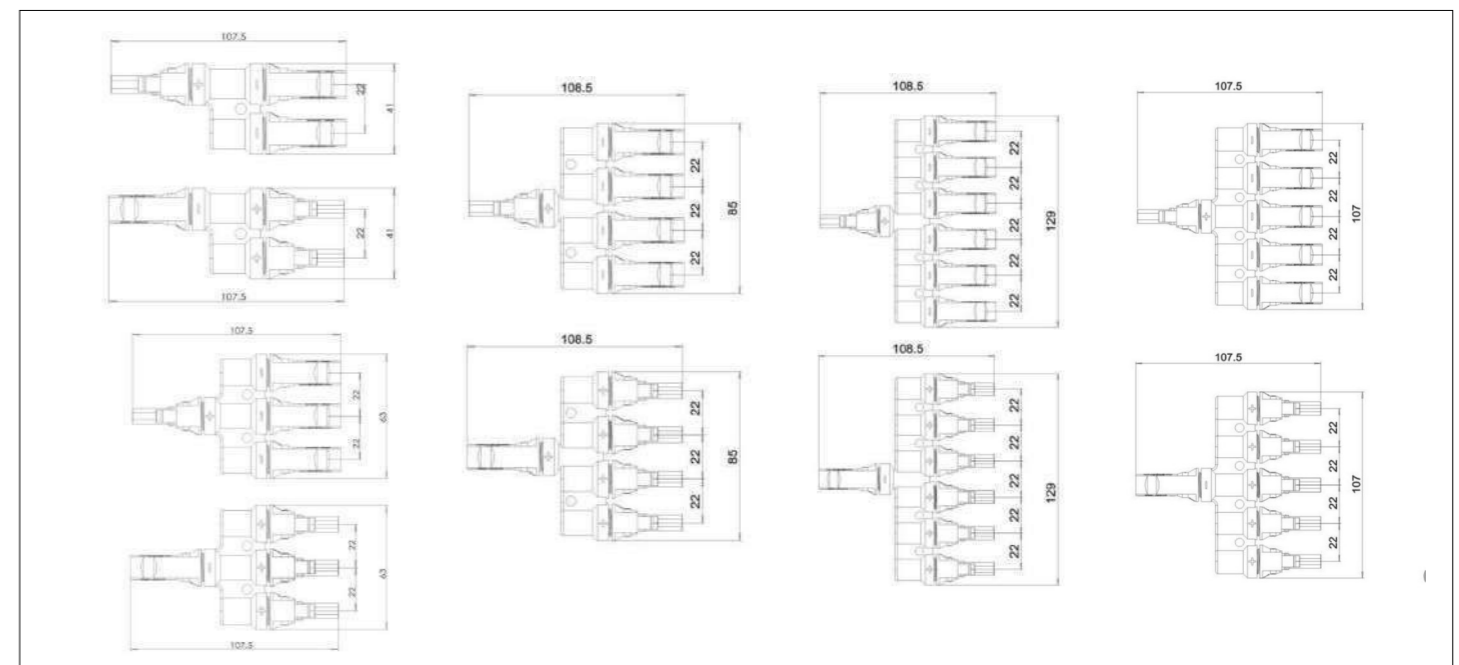
Insulation Material	PPO
Available Branch Type	2-1, 3-1, 4-1, 5-1, 6-1
Contact Material	Copper, Tin-plated
Suitable Current	30A
Rated Voltage	1000(TUV) 600V(UL)
Test Voltage	6kV(TUV50HZ,1min)
Contact Resistance	< 0.5mΩ
Degree Of Protection	IP67
Ambient Temperature Range	-40°C~+85°C
Flame Class	UL94-VO
Safety Class	II
Pin Dimensions	Φ4mm



Features

1. Simple on-site processing
2. Accommodates PV cable with different insulation diameters
3. Mating safety provided by keyed housings
4. Multiple plugging and unplugging cycles
5. High current carrying capacity

Dimension



MC4Y Solar Branch Connector

Specifications

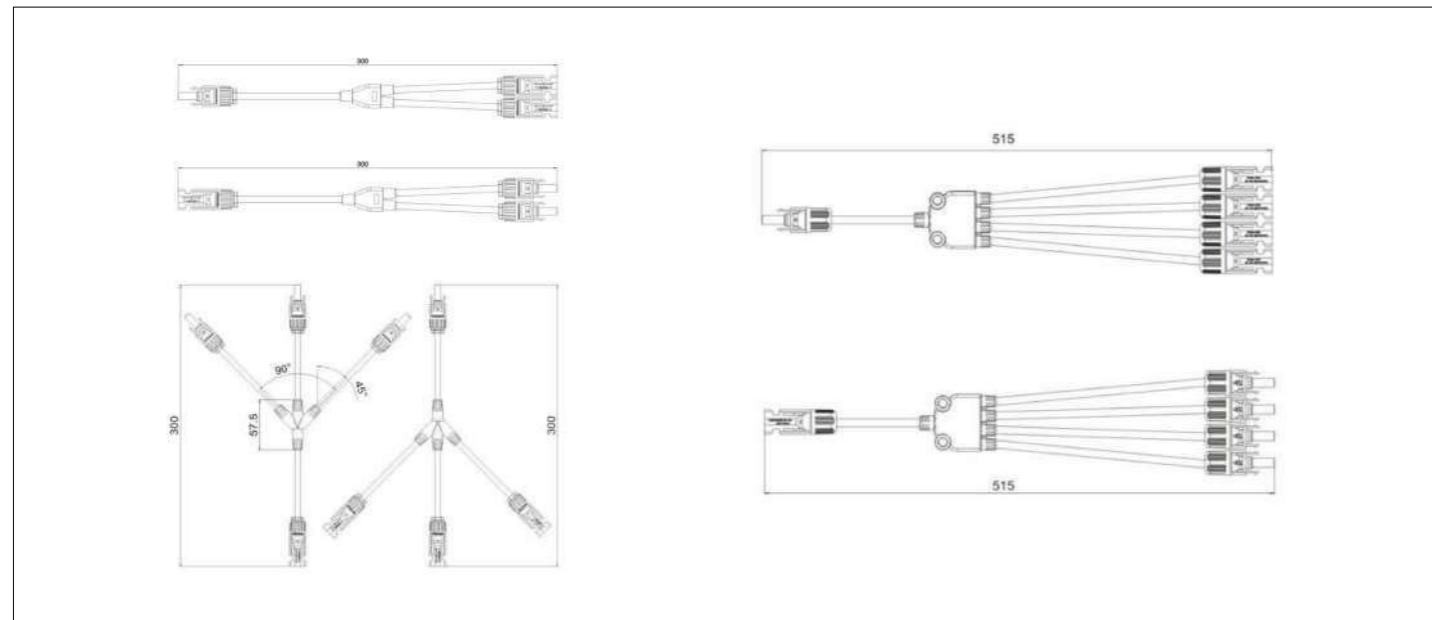
Insulation Material	PC/PA
Available Branch Type	2-1, 3-1, 4-1
Contact Material	Copper, Tin-plated
Suitable Current	30A
Rated Voltage	1000V DC(IEC)1
Test Voltage	6kV(50HZ, 1min)
Contact Resistance	< 0.5mΩ
Degree Of Protection	IP67
Ambient Temperature Range	-40°C~+85°C
Flame Class	UL94-VO
Safety Class	II
Pin Dimensions	Φ4mm



Features

1. Simple on-site processing
2. Acomodates PV cable with different insulation diameters
3. Mating safety provided bykeyed housings
4. Multiple plugging and unplugging cycles
5. High current carrying capacity

Dimension



MC4H Solar Fuse Connector



Specifications

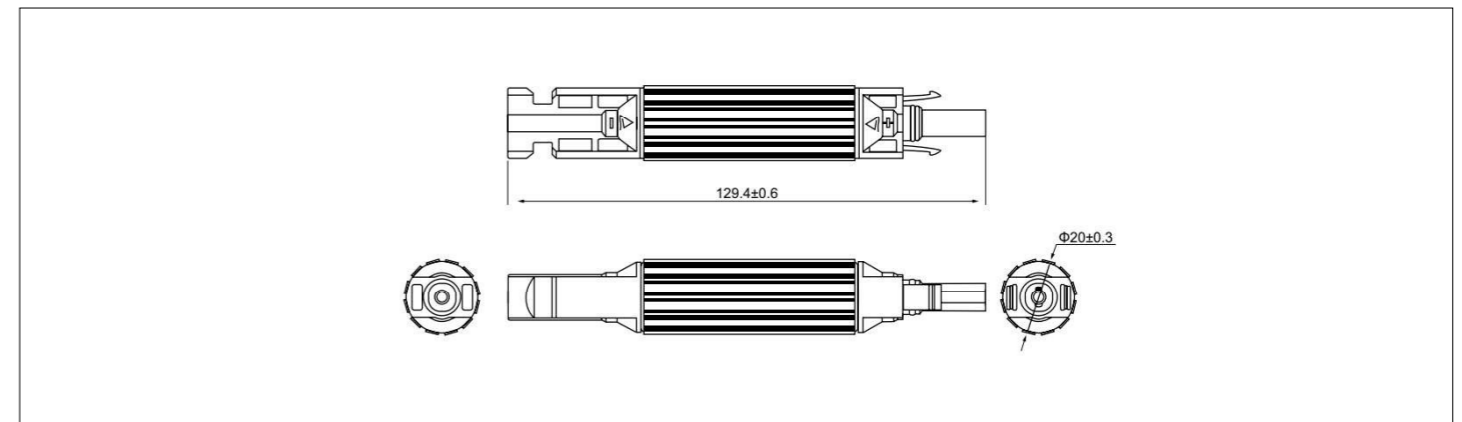
Technical Data	
Rated Current	10A, 15A, 20A, 25A, 30A(According to the FUSE)
Rated Voltage	1000V DC
Test Voltage	6kV(50HZ, 1min)
Overvoltage Category/Pollution Degree	CAT III /2
Contact Resistance Of Plug Connector	0.5mΩ
Contact Material	Copper, Tin-plated
Insulation Material	PPO
Degree Of Protection	IP2*/IP67
Flame Class	UL94-VO
Safety Class	II
Insertion Force/ Withdrawal Force	≤ 50N/≥ 50N
Connecting System	Crimp connection
Temperature Range	-40°C~+85°C



Features

1. Solar PV Fuse Holder, DC 1000V, up to 30A fuse
2. IP67, 10x38mm Fuse Copper
3. Suitable connector is MC4 Connector

Dimension



Specifications

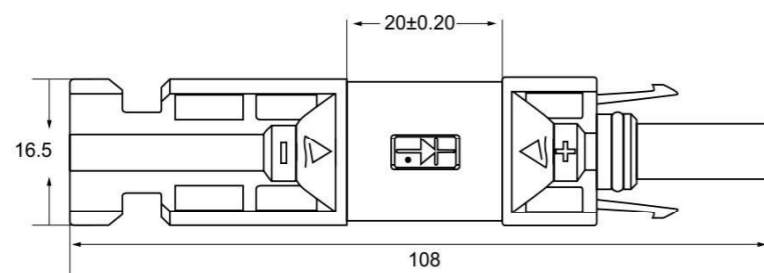
Technical Data	
Adapting Current	10A, 15A
Rated Voltage	1000V DC
Test Voltage	6kV(50HZ,1min)
Overvoltage Category/Pollution Degree	CAT III /2
Contact Resistance Of Plug Connector	0.5mΩ
Contact Material	Copper, Tin-plated
Insulation Material	PPO
Degree Of Protection	IP2*/IP67
Flame Class	UL94-VO
Safety Class	II
Insertion Force/ Withdrawal Force	≤ 50N/≥ 50N
Connecting System	Crimp connection
Temperature Range	-40°C~+85°C



Features

1. Low power loss
2. Auto-lock equipment of male and female points enable
3. connection more easy and reliable
4. With the capacity of anti-aging and resistance to ultraviolet
5. radiation on the outer cover
6. Popular figure suit most of field installation
7. Simple on-site processing
8. With convenient installation, strong commonality

Dimension



Specifications

Type	Cross Section	Strand design	Conductor diameter	Conductor resistance	Outer diameter A x B	Rated voltage	Rated current
	mm ²	No. xφ(mm)	mm	Ω/km	mm	VAC/DC	A
PV-1x2.5mm ²	2.5	50 xφ0.25	2.0	8.06	5.3	1000/1800	30
PV-1x4.0mm ²	4.0	56 xφ0.3	2.6	4.97	6.4	1000/1800	50
PV-1x6.0mm ²	6.0	84 xφ0.3	3.3	3.52	7.2	1000/1800	70

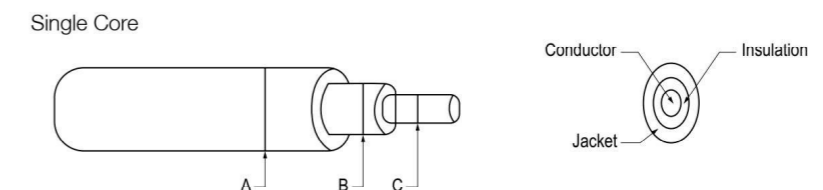
Wire	Class 5, tinned
Insulation Material	XLPE
Double Insulated	
Halogen-free	
High resistance against oils, greases, oxygen and ozone	
Microbe-resistant	
UV Resistant	
High Wear And Abrasion Resistance	
Flam Test According To	DIN EN 50265-2-1 UL1571(VW-1)
Smallest Permissible Bending Radius	5XD
Temperature Range	-40°C ~ +90°C
Colours	Black/red



Features

1. Dual wall insulation, electron beam cross-linked
2. Excellent resistance to UV, water, ozone, fluids, salt, general 3. weathering
3. Excellent resistance to abrasion
4. Halogen free, flame retardant, low toxicity
5. Excellent flexibility and stripping performance
6. High current carrying capacity

Dimension



HT Series Waterproof Distribution Box

Application

HT series distribution box use high-quality fire-resistant and PC materials reach IP65 protection Degree the max current can be 125A. Can be used in outdoor environment to protect the heavy weather.



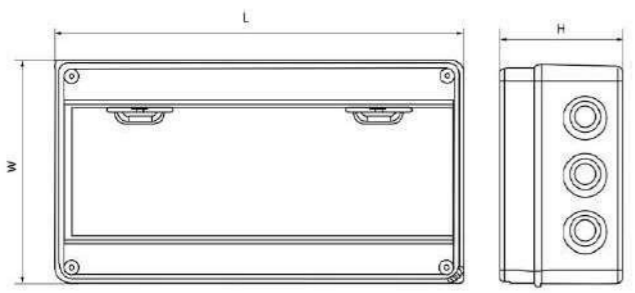
Specifications

Product Model	Product Size	Product Weight
HT-2WAY	50*115*70	0.15KG
HT-5WAY	115*160*90	0.35KG
HT-8WAY	200*150*90	0.5KG
HT-12WAY	250*193*106	0.8KG
HT-15WAY	305*195*106	0.88KG
HT-18WAY	360*195*106	1.1KG
HT-24WAY	270*350*106	1.33KG

Features

1. Good waterproof performance
2. PG/M series connectors
3. Higher intensity and more durable
4. Flame retardant, uv protection, PC plastic
5. Din rail accessory
6. Mount and split are convenient

Dimension



Product Model	L (long)	W (width)	H (high)
HT-2WAY	50mm	115mm	70mm
HT-5WAY	115mm	160mm	90mm
HT-8WAY	200mm	150mm	90mm
HT-12WAY	250mm	193mm	106mm
HT-15WAY	305mm	195mm	106mm
HT-18WAY	360mm	195mm	106mm
HT-24WAY	270mm	350mm	106mm

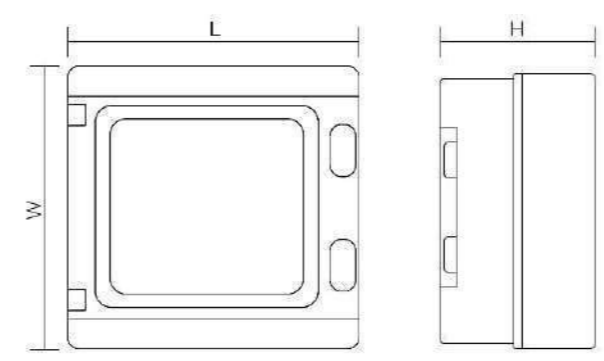
HA Series Waterproof Distribution Box

Specifications



Product Model	Product Size	Product Weight
HA-4WAY	140*210*100	0.52KG
HA-8WAY	215*210*100	0.78KG
HA-12WAY	295*260*140	1.46KG
HA-18WAY	410*285*140	1.93KG
HA-24WAY	300*420*140	2.34KG

Dimension



Product Model	L (long)	W (width)	H (high)
HA-4WAY	140mm	210mm	100mm
HA-8WAY	215mm	210mm	100mm
HA-12WAY	295mm	260mm	140mm
HA-18WAY	410mm	285mm	140mm
HA-24WAY	300mm	420mm	140mm

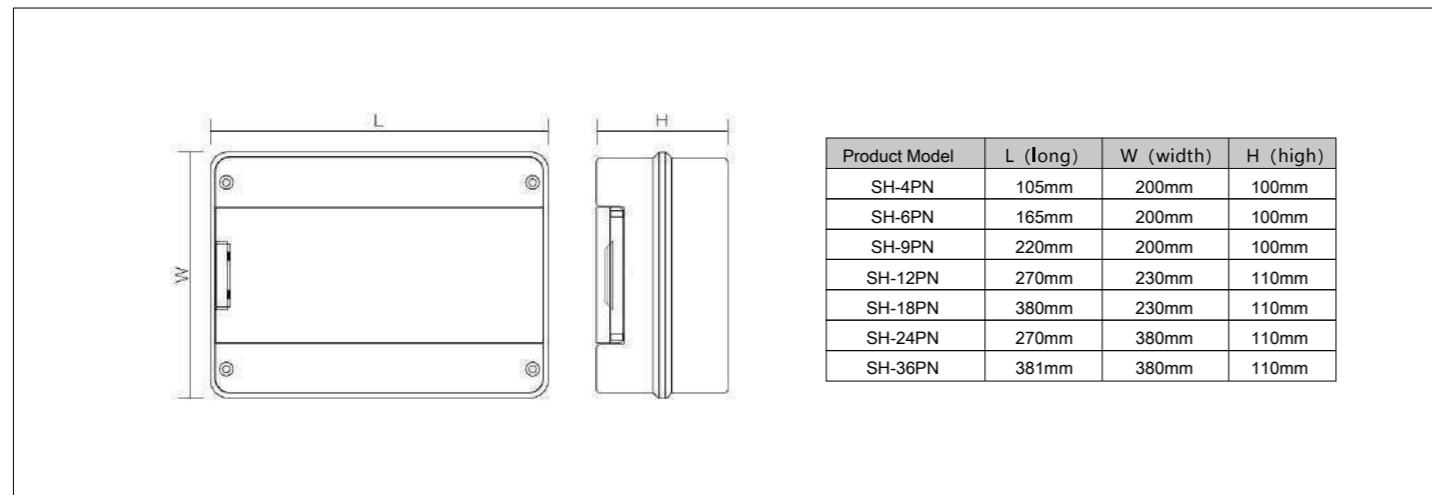
SH Series Waterproof Distribution Box

Specifications



Product Model	Product Size	Product Weight
SH-4PN	105*200*100	0.4KG
SH-6PN	165*200*100	0.55KG
SH-9PN	220*200*100	0.8KG
SH-12PN	270*230*110	0.9KG
SH-18PN	380*230*110	1.2KG
SH-24PN	270*380*110	1.68KG
SH-36PN	381*380*110	2.25KG

Dimension



HS Series Transparent window cover

Application



It is applicable for special waterproof, dustproof and corrosion-proof locations. Executive standard: IEC60529 EN 60309 IP67.

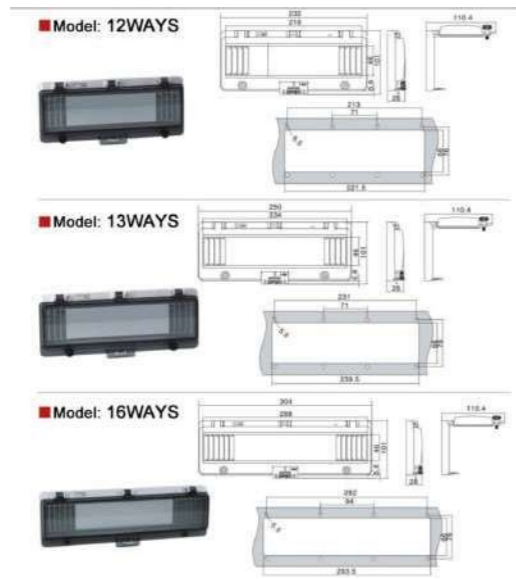
Specifications

Product Model	Product Size	Product Weight
HS-2WAY	57*101*28	0.082KG
HS-3WAY	75*101*28	0.1KG
HS-4WAY	93*101*28	0.12KG
HS-6WAY	124*101*28	0.17KG
HS-8WAY	160*101*28	0.18KG
HS-10WAY	196*101*28	0.27KG
HS-12WAY	232*101*28	0.3KG
HS-13WAY	250*101*28	0.32KG
HS-16WAY	304*101*28	0.35KG

Dimension



HS Series Transparent window cover



Product accessories

Attachment 1

- ① Hoisting bracket
- ② Hoisting bracket screw
- ③ Guide rail
- ④ Guide rail mounting screw



Note: additional accessories need to be purchased separately.

Solar tools

CHYT

Application

Suitable for crimping the cable of 2.5-6.0mm²(AWG10-14) Suitable for solar system installation site, flexible application.



Specifications

Type	Capacity	AWG	Length	Weight
A-2546B	2.5/4.0/6.0mm ²	14-10AWG	270mm	0.74kg

Features

1. The new PV Crimping Pliers precision pressure line module locking (self locking and releasing mechanism) and the overall design
2. In the the repeated pressure line to maintain a higher standard of quality pressure line
3. The excellent lever transmission design, isobar larger cross-section of the wire, the more labor-saving
4. Ergonomic design
5. The positioning device can be fixed in the jaw , to ensure precise positioning of the terminal of the pressure line
6. Pressure line film and locator under the pressure line terminal selected

Solar tools

Application

1. MC 4 2.5 4 & 6mm²;
2. Precision locator for terminal positions;
3. 1.2 metric tones pressure with minimal hand effort;
4. Interchangeable die set;
5. Length:230 mm;
6. Weight:0.55 kg.



Type	Capacity	AWG	Length	Weight
LY-2546B	2.5/4.0/6.0mm ²	14-10AWG	230mm	0.55kg

Cable Stripper

1. Scissors stripping single strand and standard wire;
2. Head and handle 23 "angle design tools and wrist bending closely with;
3. Use more comfortable and convenient;
4. Automatically spring back, the spring means to facilitate opening;
5. The incision ministry precision ground milled, high precision internal stripping;
6. Built-in security lock, head clam ping function;
7. Two-color handle, com fort grip;
8. Tools black heat-treated, more durable.

Type	Wire Stripping	Length	Weight
LS-5021B	0.9-6.0mm ²	170mm	0.16kg

MC4 Wrench

1. 100% Brand New and High Quality
2. This spanner is suitable for assembling and disassembling of MC4 male/female plug
3. Light weight, portable and easy to use
4. Double wrenches- quick screw down
5. Very light and very strong and smooth
6. Saved time and manpower for installation

Tubular Terminal Crimping Pliers

CHYT

Application

HSC8 series self-adjusting crimping jaw, range: 0.25-10mm². It is suitable for industrial production, line installation and wiring of high and low voltage complete sets of equipment to meet the daily needs of most industries.



Specifications

Model	Capacity	AWG	Handle color	Crimp port	Applicable terminal	Weight
HSC8 6-4A White head	0.25-10mm ²	23-7	Black and red	Quadrilateral	VE/EN/TE	0.38kg
			Black and yellow			
			Black and blue			
			Red and blue			
HSC8 6-4A Black head	0.25-10mm ²	23-7	Black and red	Quadrilateral	VE/EN/TE	0.38kg
			Black and yellow			
			Black and blue			
			Red and blue			
HSC8 6-6A	0.25-6mm ²	23-10	Black and red	Hexagon	VE/EN/TE	0.38kg
			Black and yellow			
			Black and blue			
			Red and blue			

Features

1. Ergonomic design handle
2. High hardness jaw
3. Self reset design
4. Ratchet locking device