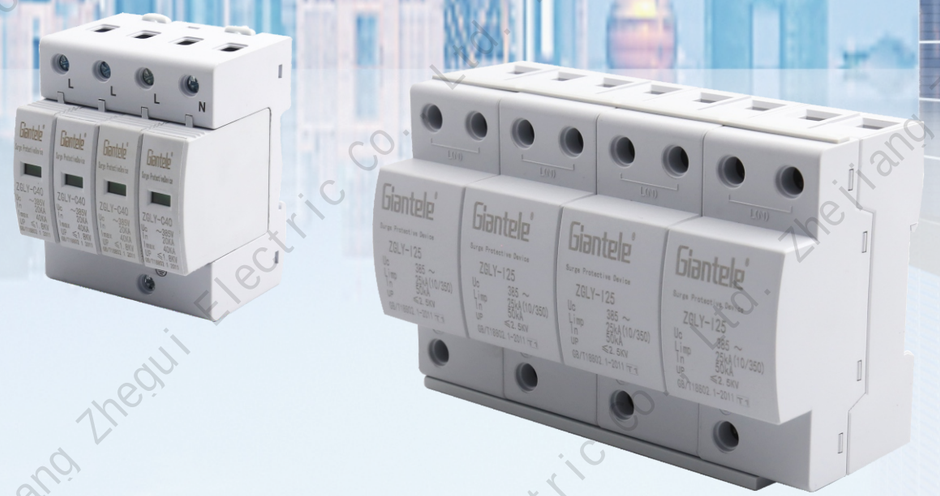
Our goal is the sea of stars!

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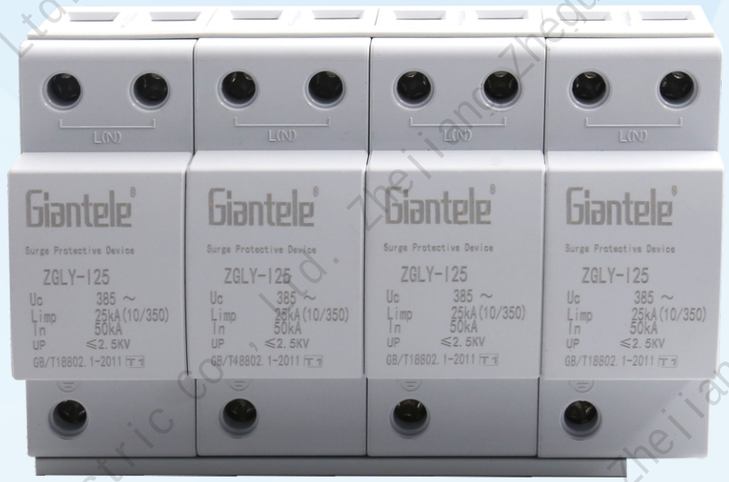
Surge protector series



www.giant-electric.com

Zhejiang Zhegui Electric Co., Ltd.

10/350
Level Wave Type Surge Protector (ZGLY)



Model meaning

ZG	□	□	/ □	□	□
Zhejiang Zhejiang Cabinet Electric Co., LTD	Max Discharge current Imax(kA)	Grade protection: B, C, D	Pole number: 1P, 2P, 3P, 4P, (+NPE)	Maximum continuous operating voltage Uc(V~)	Serial numbers: 1, 2, 3, 5, 6, 7, 8, 9

Product description

10/350μs series switching type high energy SPD, the product is used in low voltage distribution system first stage lightning protection.

Product characteristics

Multi-layer stone mill electrode stacking technology, high inrush current bearing capacity, directional voltage interrupting continuous current, stable and reliable performance.

Teflon spacer with high heat resistance.

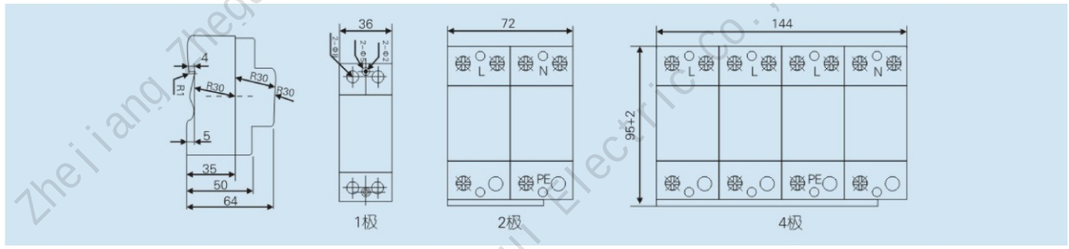
Residual low pressure.

Deterioration indicator indicates the working status of the protection green (normal), white (fault).

Main technical parameters

Model number / Argument	ZGLY-A15	ZGLY-A25	ZGLY-A50
Rated operating voltage Un (V~)	220V 380V		
Maximum continuous operating voltage Uc (V~)	275/385/420V		
Voltage protection level Up(V~)kV	≤ 2.5	≤ 2.0	
Lightning discharge current (10/350 μs)kA	12.5	15	25/50
Response time	<100		
Test basis	GB18802、IEC61643.1		
Access wire cross-sectional area L/N(mm2)	16		
Access ground cable cross-sectional area PE(mm2)	35		
Fuse or circuit breaker selection	63A、100A		
Working environment	-40℃~+85℃		
Relative humidity	≤ 95%		
Install	Standard guide orbit		
Housing material	Glass fiber reinforced plastics		

Outline and mounting dimensions



ZGSCB

Dedicated external disconnector



Product description

ZGSCB special external disconnector (Backup protector: SCB) is a special device designed and manufactured according to the 430.3 of IEC61643-4-43, "Before the circuit causes danger, a suitable overcurrent protection device should be used", which mainly solves the safety problem of rapid tripping when SPD has dangerous power frequency continuous current or dangerous power frequency leakage current, and the lightning flow is outdated and not accidentally tripping. To ensure that SPD does not rise, the equipment lightning protection continues to be effective, to solve the problem that the fuse or circuit breaker is widely used as an external disconnector protection blind area, is the low voltage power supply system voltage switching SPD, voltage limiting SPD ideal supporting devices.

Product characteristics

Large lightning impulse current (25kA 10/350us, 1000kA 8/20us) is not broken to ensure SPD lightning protection is effective;)

SPD fault intermittent current breaking value is lower than 3A±1A to ensure the safety of the power grid and electricity consumption;

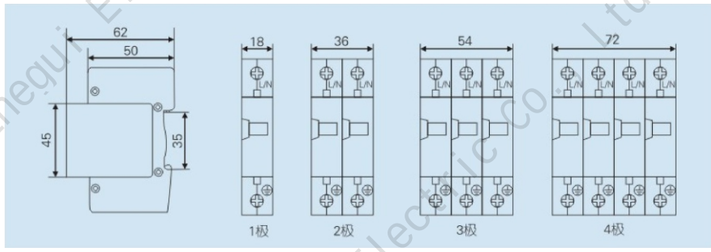
Lightning impulse residual low voltage - Increases the reliability of lightning protection.

Product design and ordering instructions: Users should specify product series, color, model, series, voltage, quantity when designing and ordering products. For example, SCB series ZGSCB-1-80/4P,20 sets.

Main technical parameters

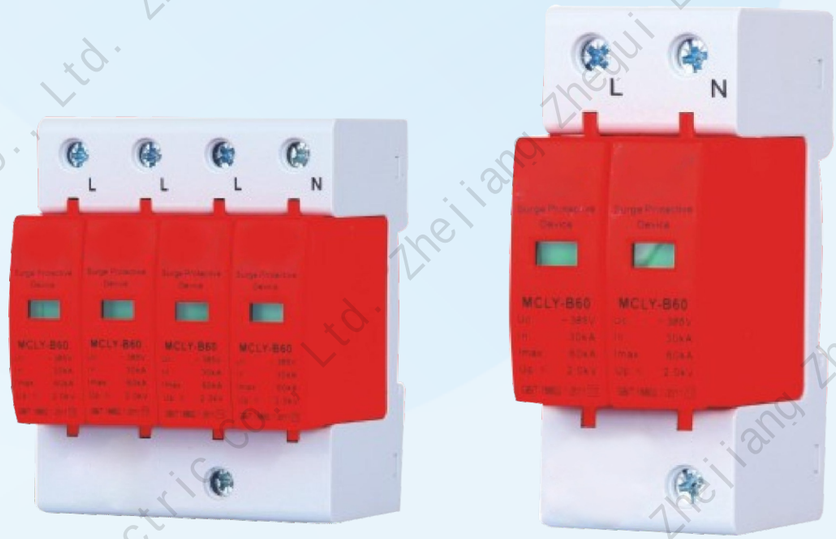
Main characteristics		
Test type of ZGSCB used		T1/T2
Rated operating voltage		230/400VAC
Operating frequency		50/60Hz
10/350μs impulse current		15KA、25KA
Maximum discharge current		100/80/60/40/20kA
Nominal discharge current		60/40/30/20/10kA
Maximum short-circuit breaking capacity		100、65、50、32、16、6kA
Number of poles		1P,2P,3P,4P,
Low short-circuit operating current		3A
Other parameters		
Local indicator function		Can indicate the split and close status
Remote indicating function		Remote indication of working status via communication contacts
Ip protection class	Front panel	IP20
	Terminal	IP20

Outline dimensional drawing



ZGLY

3 Series Class C Surge Protector



Product description

Series 3 Class C Surge Protector (SPD) for AC 50/60Hz, 385V/380V and below TN-S, TN-C-S, TT, IT and other power supply systems can be used as equal potential connections at the interface of MCZ1, MCZ2 and MCZ3. The design basis conforms to IEC61643-1, GB18802.1, and the shell design is installed on 35mm electrical guide rails. The product has a built-in failure disengagement device. When the surge protector overheats and breakdown fails due to overcurrent, the failure disconnecting device can automatically disconnect it from the power grid, and the visual alarm indicating module changes from green (normal) to red (fault), the module can be replaced under the condition of working voltage.

Product characteristics

1, built-in overcurrent overheating, temperature control circuit breaker technology.

2, module design, easy installation, can be replaced online.

3, leakage current is small, response time is fast, residual low pressure.

4, alarm indicating device, green (normal), red (fault).

5, new technology production, high energy, gap discharge electrode (N-PE).

Product characteristics

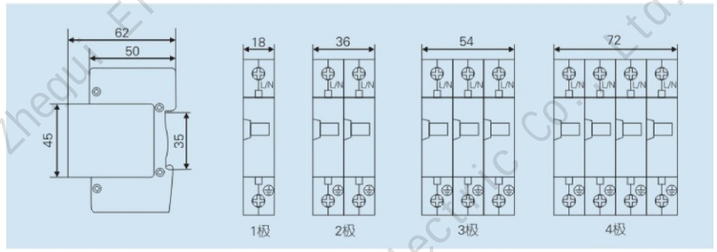
3 series C-class products are suitable for C-class lightning protection, for equipotential connection during lightning strikes, installed at the junction of ZGZOB District, MCZ1 District and ZGZ2 District, usually installed in household distribution boxes, computer centers, telecommunication rooms, elevator control rooms, frequency conversion equipment control rooms, hospital operating rooms, intensive care rooms and distribution boxes equipped with electronic medical equipment. Distributed small villas should have SPD installed in the household distribution box.

Product design and ordering instructions: When designing and ordering products, users should specify the product series model and quantity in detail, such as: 3 series MCLY-40/4P-385V, 8 sets.

Main technical parameters

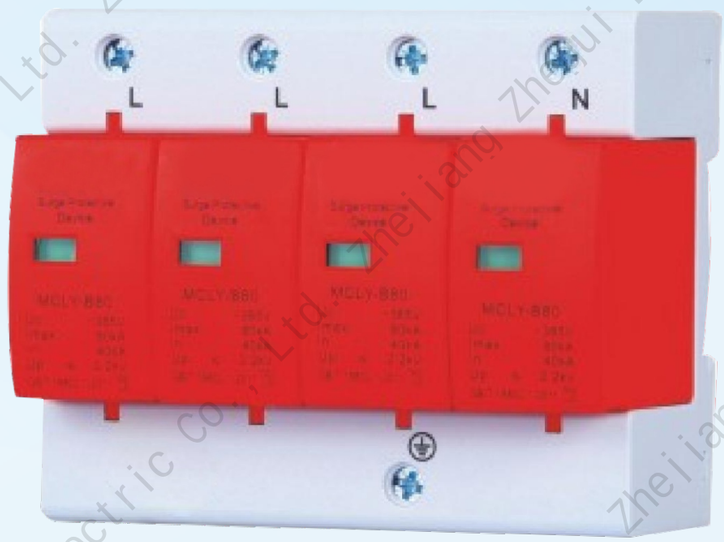
Argument / Model number	MCLY-40		MCLY-60	
Rated operating voltage Un(V~)	220V	385V	220V	385V
Maximum continuous operating voltage Uc(V~)	385V	420V	385V	420V
Voltage protection level Up (V~)kV	≤ 1.8		≤ 2.0	
Nominal discharge current (8/20 μs)kA	20		30	
Maximum discharge current (8/20 μs)kA	40		60	
Response time	<25			
Test basis	GB18802.1、IEC61643.1			
Access wire cross-sectional area L/N(mm2)	10、16		16、20	
Access ground cable cross-sectional area PE(mm2)	10、25		16、25	
Fuse or circuit breaker selection	32A		63A	
Working environment	-40℃~+85℃			
Relative humidity	≤ 95%			
Install	Standard guide orbit			
Housing material	Glass fiber reinforced plastics			

Outline dimensional drawing



ZGLY

3 Series Class C Surge Protector



Product description

S3 Series B surge protector (SPD for short) suitable for AC 50/60Hz, 385V/380V and below TN-S, TN-C-S, TT, IT and other power supply systems, as lightning equal potential connection, Its design is based on IEC61643-1, GB18802.1, the shell design is installed on the 35mm electrical guide rail, the product built-in failure device, when the surge protector due to overcurrent overheating, breakdown failure, failure failure device can automatically disconnect from the power grid, while the visual alarm indicator module from green (normal) to red (fault) electricity The surge protector can be replaced online.

Product characteristics

3 Series B products are suitable for class B lightning protection and are used for equal potential connection during lightning strikes. They are installed in the ZGZOA zone or the junction between ZGZOB zone and ZGZ1 zone. The ZGLY-100B and McGly-80b are usually installed in the low-voltage main distribution cabinet with buried pipes.

Product design and ordering instructions: When designing and ordering products, users should specify the product series model and quantity in detail, such as: 3 series LPPL-B100/4P-385, 8 sets.

Main technical parameters

Argument / Model number	MCLY-100	MCLY-80	MCLY-60
Rated operating voltage Un (V)	380V	380V	380V
Maximum continuous operating voltage Uc (V~)	385V 420V	385V 420V	385V 420V
Voltage protection level Up (V~) kV	≤ 2.5	≤ 2.4	≤ 2.2
Nominal discharge current (8/20 μs)kA	60	40	30
Maximum discharge current (8/20 μs)kA	100	80	60
Response time	<25		
Access wire cross-sectional area L/N(mm2)	16、25	10、16	10、16
Access ground cable cross-sectional area PE (mm2)	25、35	25	16、25
Fuse or circuit breaker selection	63A、100A	63A	63A、32A
Working environment	-40℃~+85℃		
Relative humidity	≤ 95%		
Install	Standard guide orbit		
Housing material	Glass fiber reinforced plastics		

Outline dimensional drawing

