

LERDN®

Part No. **LDY-50A**

Switch-type SPD
Protection For CLASS I or CLASS I+ II
Large current capacity, Low residual voltage, Free decoupler

Main Features

- ☆ With function of protecting CLASS I+II.
- ☆ Large current capacity, low residual voltage, totally-enclosed structure, no arc escape.
- ☆ Build-in multi-gap, continuous voltage, strong ability of off follow-current.
- ☆ Many protection mode (L-N, L-PE, N-PE) & combination (2P, 3+NPE, 4P), apply to various power network

Application Range

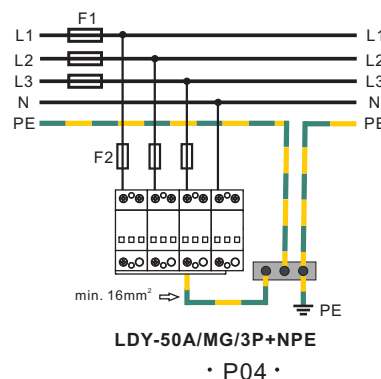
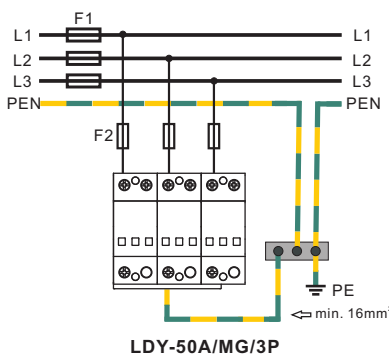
LDY-50A are applied at the low voltage side of transformer with rated working voltage 230/400V or zone between LPZO and LPZ1, which can protect CLASS I or CLASS I+II against overvoltage arising from the lightning or surge. This series products are not applied to the system with the expected short-circuit current beyond rated breaking follow current. The fuse must be connected to the front side of the product in series.

(option from standard IEC61643-1).

Main Technical Data

Type	LDY-50A/MG	LDY-50A/G	LDY-50A/GN
Rated Working Voltage $U_e \sim V$	230/400		
Maximum Continuous Operating Voltage $U_c \sim V$	320		255
Voltage Protection Level U_p kV	<1.5		<0.8
Impulsive Discharge Current $I_{imp}(10/350)$ KA	25		50
Component & Protection Level	MOV+GDT(class I+II)	GDT(class I)	GDT(class I)
Housing Material	Flame-retardant Reinforced Nylon(UL 94V-0)		
Response Time ns	<100		
Recommended Grounding Conductor Cross-Sectional Area	16mm ² Multi-Strand Flexible Wire		
Combination Node	2P、3P、4P、3P+NPE		
P.O	612 001	612 002	612 003
Rated Backup Follow Current I_f (at 50/60Hz)	at U_c : 255V	5kA	1kA
	at U_c : 320V	3kA	0.3kA
Insulation Resistance	>5MΩ		
Max Intensity Of Backup Fuse (If mains>250A)	250A gL		

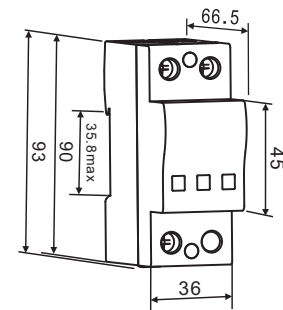
Wiring Diagram



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