

LERDN[®]

SPD for Power Class B

Large current capacity, low residual voltage, no follow current

Part No. LDY-75B

Main Features

- ☆ Large current capacity, low residual voltage.
- ☆ Built-in temperature control and circuit breaking technology, high security performance.
- ☆ Lighting off in notice window indicates normal, red indicates broken, clear and easy distinguished.
- ☆ Optional telesignalisation monitoring interface, can realize remote monitoring.
- ☆ Realizable kevin wiring, to reduce conductor resistance.
- ☆ Assembled combination modules such as 1P+N, 2P, 3P+N, 4P, etc., applied for various electric network system.

Application Range

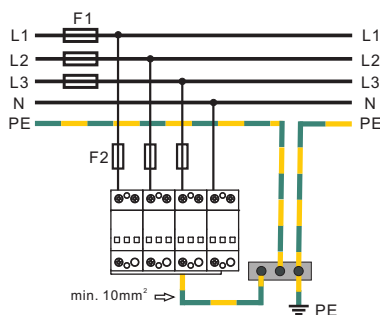
LDY-75B series are applied to equipotential bonding of the building low voltage main distribution boxes, providing protection against the overvoltage arising from lightning strike to the power class B or misoperation.

(option from IEC61643-1).

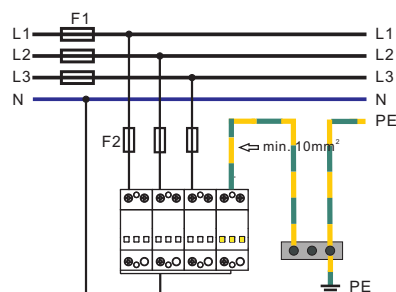
Main Technical Data

Type	LDY-75B			LDY-100/G/L (N-PE)		
Maximum Continuous Operating Voltage $U_c \sim V$	275	385	255			
Voltage Protection Level Up kV	<2.3	<2.5	<1.2			
Voltage Limiting $U_{res}(at\ 5kA)\ kV$	<1.0	<1.2	<0.3			
Normalinal Discharge Current (8/20 μs)kA	80			40		
Maximum Discharge Current(8/20 μs)kA	120			100		
Impulsive Discharge Current $I_{imp}(10/350)\ KA$	10			10		
Housing Material	Flame-retardant Reinforced Nylon(UL 94V-0)					
Response Time ns	<25					
Recommended Grounding Conductor Cross-Sectional Area	16mm ² Multi-Strand Flexible Wire					
Combination Mode	1P	2P	3P	4P	1P+NPE	3P+NPE
P.O(U_c :385V)	605 057	605 058	605 059	605 060	605 061	605 063
Maximum Strength of Back-up Protection Fuse	160 A gL					

Wiring Diagram



LDY-75B/4P



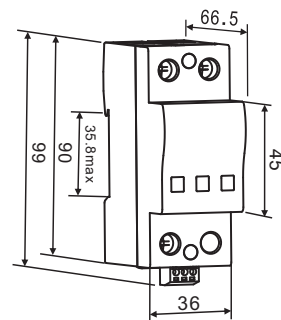
LDY-75B/3P+NPE

• P05 •

1



2



3

