

# LDY-10D

### Application range

LDY-10D series are applied to equipotential bonding of the low voltage distribution boxes in the building, providing protection against the overvoltage arising from the lightning strike to the power supply system of class 4 or faulty operation. (option from standard IEC61643-1 and Gb50343)

### Main features

- ☆ Plug & Play design, live-wire replacement, easy maintenance.
- ☆ Build-in temperature control and circuit breaking technology, high security performance.
- ☆ Green light in notice window indicates normal, red indicates broken, replacement notice, which are clear and easy distinguished.
- ☆ Optional telesignalisation monitoring interface, realizable remote monitoring.
- ☆ External bus-barwire, single pieces free assembled, easy project construction
- ☆ Assembled 1P+N, 2P, 3P+N, 4P etc pattern, applied for various electric network system.

### Invalid disengage device

When the protector is overheated and invalid arising from the aging or breakdown, the invalid disengage device can break away from the electric network, meanwhile reporting failure signal. The indicator is green when in regular work situation, will turn into red after invalid and disengagement.



OK

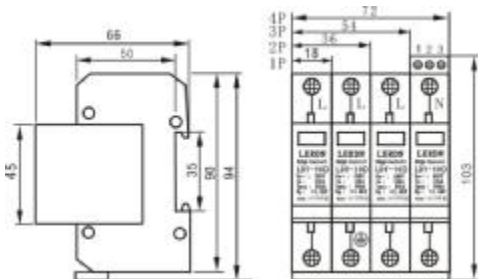


Replace

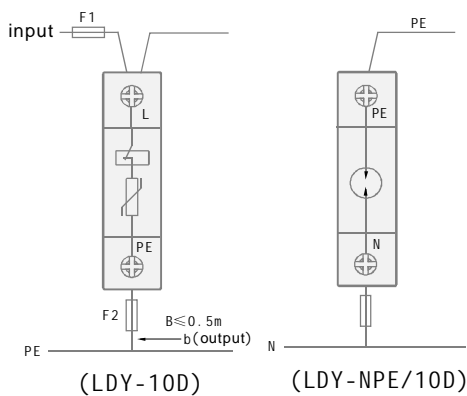
Normal for green light on

Replacement for red light on

Appearance and installation dimension



Schematic circuit diagram



### Main technical data

Type	LDY-10D			LDY-NPE/10D
Max. continuous AC Voltage $U_c$ V	275	385	420	275
Voltage protection level $U_p$ KV	<1.2	<1.5	<1.8	<1.2
Part No.	081102	081103	081104	081100
Normal discharge current $I_n$ (8/20 $\mu$ s) kA	10			10
Max. Discharge current $I_{max}$ (8/20 $\mu$ s) kA	20			20
Leakage current 75% $U_c$ 1mA	$\leq 20 \mu$ A			-
Response time ns	<25			<100
Compound mode	1P, 1P+N, 2P, 3P, 3P+N, 4P			
Enclosure material	enhanced flame retardant PBT (light gray, flame retardancy: V0)			
Max. backup fuse/airbreak switch	50A gL			
Cross-sectional area	$\geq 10 \text{mm}^2$ stranded/flexible			

### Ordering description ( take $U_c$ : 385V as example)

Type/assemblage	Part No.	Type/assemblage	Part No.
LDY-10D/1P	08 1103 1	LDY-10D/3P	08 1103 3
LDY-10D/2P	08 1103 2	LDY-10D/4P	08 1103 4
LDY-10D/1P+N	08 1103 5	LDY-10D/3P+N	08 1103 6
LDY-NPE/10D	08 1103 0		

Notice: please indicate the  $U_c$  voltage when place the order.