

LERDNTM

Surge protection box for power (with airbreak switch)

LDY - Y3CS/Y5CS

Application range

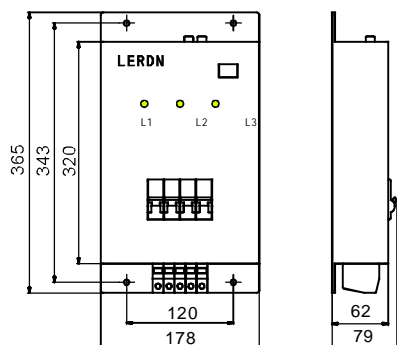
These series are applied to equipotential bonding of the low voltage main or distribution boxes in the building, providing protection against the overvoltage arising from the lightning strike to power supply system or faulty operation. (option from IEC61643-1 and Gb50343 standard)

Main features

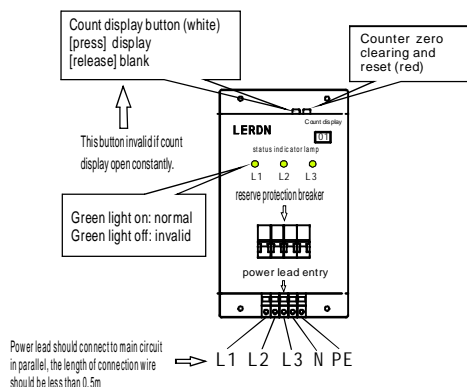
- ☆ Convenient wiring, standard connection components
- ☆ Build-in temperature control and circuit breaking technology, high security performance.
- ☆ Green light in notice window indicates normal, red indicates broken, replacement notice, which are clear and easy distinguished.
- ☆ Function of lightning count, capable of storage and display of lightning frequency.
- ☆ Display status of normal on and normal off.
- ☆ Totally-enclosed metal shell, good shielding effectiveness, free maintenance



Appearance and installation dimension



Wiring diagram



Main technical data

Type	LDY-20C/Y3CS(Y5CS)	LDY-40B/Y3CS(Y5CS)
Normal working voltage Un V	220V(380V)	220V(380V)
Max. continuous AC Voltage Uc V	385	385
Voltage protection level Up KV	<1.8	<2.0
Normal discharge current In (8/20 μs) kA	20	40
Max. Discharge current Imax (8/20 μs) kA	40	80
Reserve protection breaker	40A/2P(4P)	63A/2P(4P)
Leakage current 75% Uc 1mA	≤20 μA	
Response time ns	<25	
Compound mode	2P/3P+N	
Enclosure material	Aluminum alloy	
Cross-sectional area	≥16mm ² Solid/flexible	
Starting current	≥400A	
Counting range	0-99	

Ordering description

Type	Part No.
LDY-20C/Y3CS	082103
LDY-20C/Y5CS	082104
LDY-40B/Y3CS	082203
LDY-40B/Y5CS	082204