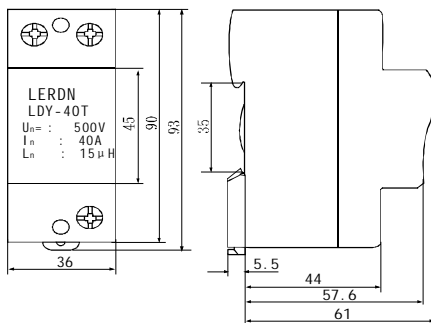


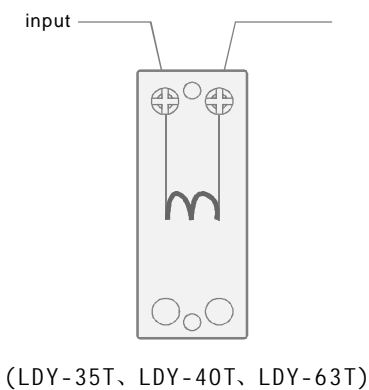
## LDY-35T、40T、63T



Appearance and installation dimension



Schematic circuit diagram



### Application range

LDY-T series decouplers are connected in series on the low-voltage power system of nominal voltage below 500V, which is used to increase the wire inductive reactance, offset the shortage of wire length, and coordinate the adaptation among surge protector of different specification. The typical application is that the class B and class C surge protection devices installed in the same power distribution cabinet. When the length between voltage switching protector and voltage limiting protector is less than 10m, or the length between limiting protectors is less than 5m, the decoupler should be added between the different class protectors. As the decoupler is connected in series in the circuit, we should choose the suitable decoupler according to the load current in the circuit. (option from standard IEC61643-1 and GB50343)

### Main structure and work principle.

The decoupler has excellent inductive characteristics against transient high-energy lightning current and ensure the surge protection device reliable action when the lightning strike occurs. if there are some surge protection device in circuit, they will interact each other, that mean, the energy should be balanced between protectors in parallel connection. the result of balance is that when a surge voltage occur arising from lightning strike, the protector (class B) will reliably response and take the high energy away, in order to protect other protectors (class C or class D).

### Main technical data

Type	LDY-35T	LDY-40T	LDY-63T
Part No.	08 840 1	08 8402	08 8403
Normal AC load current I <sub>L</sub>	35A	40A	63A
Normal working voltage U <sub>n</sub> V	500		
Nominal inductance L <sub>n</sub>	15 μH ± 20%		7.5 μH ± 20%
DC resistance	< 3mΩ		
Enclosure material and color	enhanced flame retardant nylon (light gray, flame retardancy: V0)		
Cross-sectional area	≥ 10mm <sup>2</sup> stranded/flexible		

Installation diagram

