



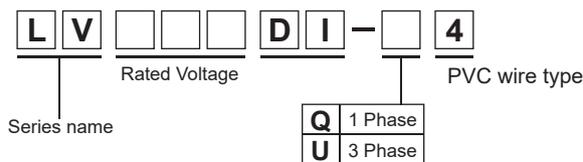
### Features

- SPD with a fail safe function to prevent short-circuit (separation of circuit and element is visually confirmable)
- Compliance with IEC 61643-1 that meets the new JIS standards
- Impulse test category: Class II
- Against indirect lightning surge for single phase / three phase power supplies
- Impulse current capacity 8/20 $\mu$ s-5,000A
- Every pathway consists of same elements. Between line and line/between lines and ground can protect as the same level.

### Applications

- Tapping machine, NC machine, other machine tools
- Lithography equipment, Washing device, IC tester
- Injection molding machine, Winding machine, Surface mounter
- Vehicle air conditioner
- Servo amplifier
- Electric facility, Industrial equipment

- Model numbering system

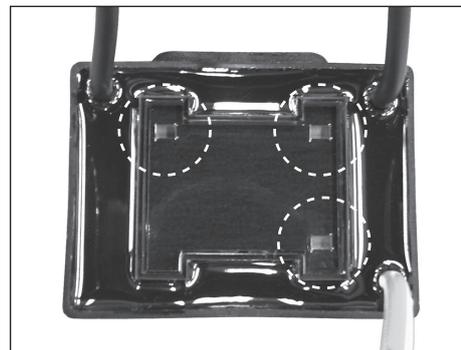


Safety Standard		File No.
UL	:UL1449	E322107
cUL	:C22.2 No.269.5	
UL-EU	:IEC61643-11 :EN61643-11	

\* File No. may be revised without notice. Please contact us at the time of your request for certifications.



- Indicator of disconnecter status



**Status**  
Green: Normal  
No Green: Abnormal

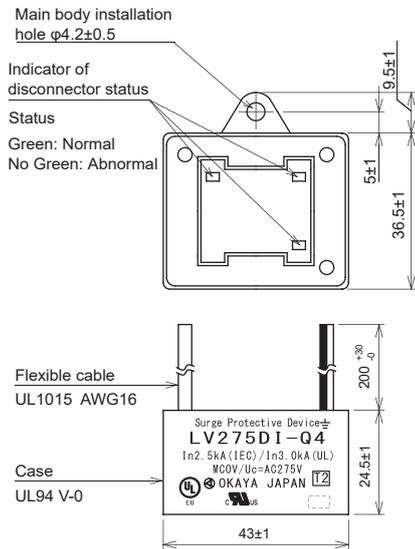
### Electrical Specifications

Safety Standard	Model Number	Rated Voltage 50/60Hz		DC Operating Voltage (V) $\pm 25\%$	Voltage Protection Level (V)	Nominal Discharge Current 8/20 $\mu$ s (A)	Max. Discharge Current 8/20 $\mu$ s (A)	Impulse Life Test 8/20 $\mu$ s-1,000A
c  US	LV150DI-Q4	Single Phase	AC150V	450	1,200	2,500	5,000	Approx. 500 times
	LV275DI-Q4	Single Phase	AC275V	800	1,500			
c  US	LV275DI-U4	Three Phase						
	LV480DI-Q4	Single Phase	AC550V	1,600	2,500			
EU	LV480DI-U4	Three Phase						
	LV550DI-U4	Three Phase	AC550V	1,600	2,500			

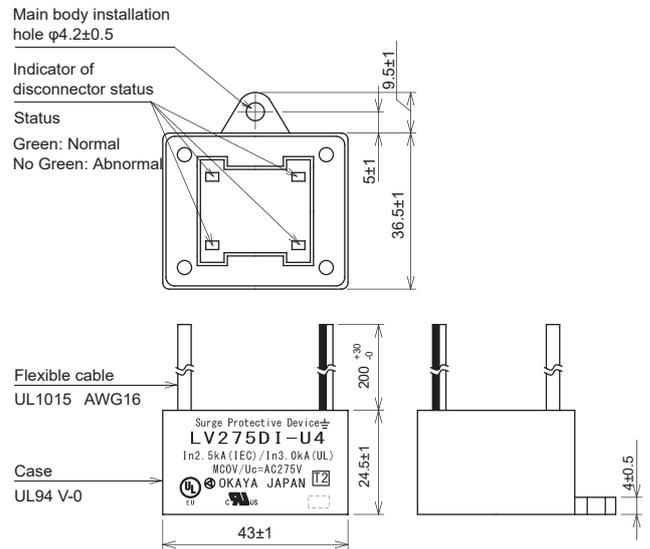
Operating Temperature: -40~+70°C

• Dimensions

### LV-□□□DI-Q4 series (Single-Phase)



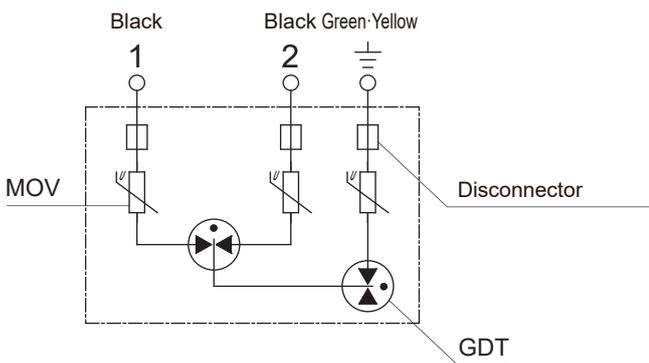
### LV-□□□DI-U4 series (Three-Phase)



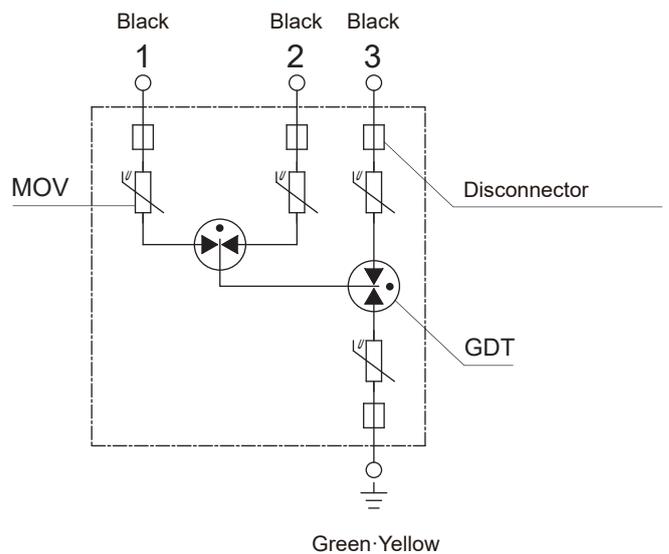
Unit: mm

• Circuit

### LV-□□□DI-Q4 series



### LV-□□□DI-U4 series



GDT: Gas-filled discharge tubes  
MOV: Metal oxide Varistors

Flexible wires in black color can connect to each phase without any specific control.