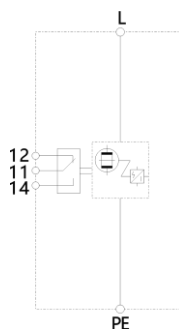


## Combination type – CLASS I+II+III (Clearap)

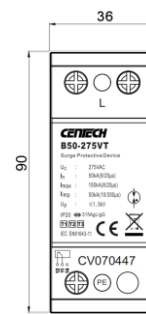
## B50VT-275V-FS-1P (CV070447)



Outside drawing



Basic circuit diagram



Dimension drawing

Type 1+2+3 surge arrester designed for low-voltage power supply system protection against surges at the boundaries from lightning protection zone 0<sub>B</sub> -3 and higher.

- Class I+II+III/B+C+D SPD in accordance with IEC61643-11 and UL1449-4<sup>th</sup>
- High surge capacity of 50kA 10/350 per pole and I<sub>max</sub> 150kA 8/20
- With remote alarm terminal optional

Part No.	B50VT-275V-FS/1P	
In accordance with	IEC61643-11:2011; UL1449-4th	
Category IEC/VDE	I+II+III/ B+C+D	
Max. continuous operating voltage U <sub>c</sub>	275VAC	
Nominal discharge current(8/20) I <sub>n</sub>	50kA	
Max. discharge current(8/20) I <sub>max</sub>	150kA	
Lightning impulse current(10/350) I <sub>imp</sub>	50kA	
Voltage protection level @ I <sub>n</sub>	<1,5kV	
Voltage protection level @ I <sub>n</sub> :5kA	<0,8kV	
Voltage protection level @ I <sub>n</sub> :12,5kA	<0,9kV	
Response time	≤100 ns	
Follow current	No	
Backup fuse(only required if not already provided in mains)	315A gL/gG	
Operating temperature range	- 40°C ~ + 80°C	
Cross-section of connection wire	Single-strand 35mm <sup>2</sup> ; multi-strand 25mm <sup>2</sup>	
Torque applied by the screws	2.0-2.5 Nm	
Mounting	35mm DIN-rail in accordance with EN 50022/DIN46277-3	
Enclosure material	thermoplastic; extinguishing degree UL94 V-0	
Housing protection level	IP20	
Installation width	2 modules, DIN 43880	
Thermal disconnecter	Internal green – normal ; red - failure	
Remote alarm contact	Yes	
Additional data for Remote Alarm Contacts	Closed and open 1.5mm <sup>2</sup> / 0.5 Nm ,max	
Remote alarm contact type	Isolated Form C	
Switching capability U <sub>n</sub> /I <sub>n</sub>	AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A	
Max. Size of connecting wire	Max. 1.5mm <sup>2</sup> (or # 16AWG)	