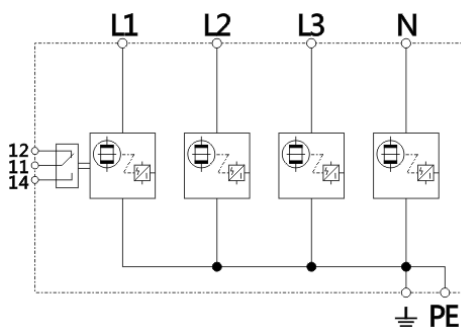


## Combination type – CLASS I (Clearap)

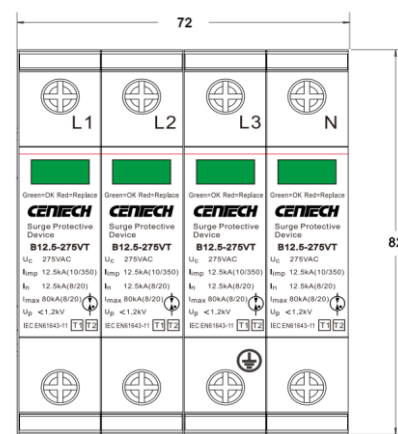
## B12.5VT-275V-FS-4P (CV067492)



Outside drawing



Basic circuit diagram



Dimension drawing

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

- Class I+II/B+C SPD in accordance with IEC61643-11 and UL1449-4<sup>th</sup>
- High surge capacity of 12.5kA 10/350 per pole and I<sub>max</sub> 80kA 8/20
- Reliable supervision due to disconnection device
- With remote alarm terminal optional

Part No.	B12.5VT-275V-FS/4P
In accordance with	IEC61643-11:2011; UL1449-4 <sup>th</sup>
Category IEC/VDE	I+ II / B+C
Max. continuous operating voltage U <sub>c</sub>	275VAC
Nominal discharge current(8/20) I <sub>n</sub>	12.5kA
Max. discharge current(8/20) I <sub>max</sub>	80kA
Lightning impulse current(10/350) I <sub>imp</sub>	12.5kA
Voltage protection level @I <sub>n</sub>	<1,2kV
Voltage protection level @I <sub>n</sub> =5kA	<0,4kV
Response time	≤100 ns
Follow current	No
Backup fuse(only required if not already provided in mains)	125A 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	4 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)