

# SURGE PROTECTION DEVICE

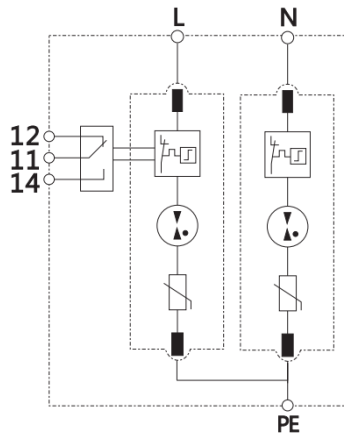


## SURGE ARRESTERS – CLASS II (MOV+GDT)

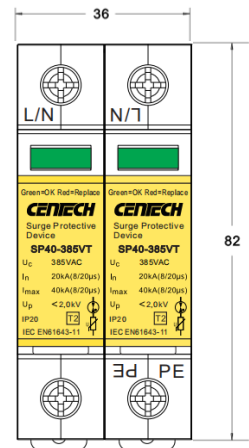
## SP40-385VT/2P-FS (CV067447)



Outside drawing



Electrical principle



Outline dimension

Type 2 lightning and surge protective device especially for low-voltage power supply system surge protection at the boundaries from lightning protection zone 1-3 and higher.

- Class II/class C SPD, max discharge current 40kA 8/20
- Pluggable design surge arrester for easy replacement
- VT technology surge protector, with very low clamping level compare to MOV technology
- High TOV withstand, increased reliability for areas with unstable power network
- **No follow current and no leakage current**, intelligent distinguish power frequency current and surge current to guarantee long service life

SP40-385VT/2P-FS	
Part No.	SP40-385VT/2P-FS
In accordance with	IEC61643-11:2011; UL1449 4th
Category IEC/VDE	II/C
Max. continuous operating voltage (AC/DC) $U_c$	385/505
Nominal discharge current(8/20) $I_n$	20kA
Max. discharge current(8/20) $I_{max}$	40kA
Voltage protection level/ $U_p$ @ $I_n$	<2,0kV
Voltage protection level/ $U_p$ @ $I_n=5kA$	<1,025kV
Response time	≤100 ns
Follow current& Leakage current	No
Backup fuse(only required if not already provided in mains)	125A gL/gG
Temporary Overvoltage TOV-Withstand mode	700V/120min
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
Degree of protection	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 $U_n/I_n$	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)