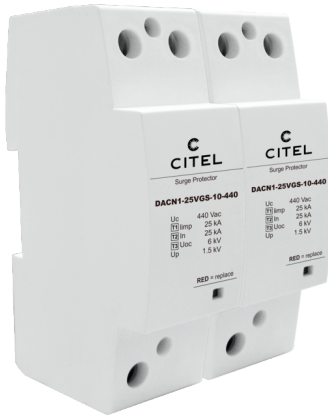
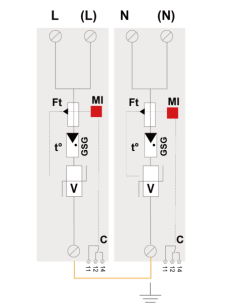
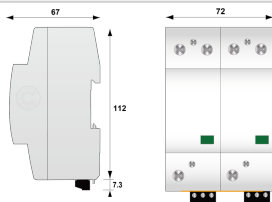


**DACN1-25VGS-20-440**


- ✦ Type 1 + 2+3 AC surge protector
- ✦ VG Technology
- ✦ In: 25 kA
- ✦ Iimp: 25 kA on 10/350µs impulse
- ✦ No leakage current
- ✦ Unpluggable module for each phase
- ✦ Remote signaling
- ✦ Optimized to TOV
- ✦ EN 61643-11, IEC 61643-11 complied



V: High-energy varistor  
 GSG: Specific gas tube  
 Ft: Thermal fuse  
 C: Remote signaling contact  
 t\*: Thermal disconnection system  
 MI: Disconnection indicator

Electrical Characteristics			
SPD type	IEC	1+2+3	
Network		230/400 V	
Max. AC operating voltage	Uc	440 Vac	
Max. load current @25°C	IL	100 A	
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	580 Vac withstand	
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	770 Vac disconnection	
Residual Current	Ipe	None	
Leakage current to Ground			
Follow current	If	None	
Nominal discharge current 15 x 8/20 µs impulses	In	25 kA	
Max. discharge current max. withstand @ 8/20 µs by pole	I <sub>max</sub>	70 kA	
Total Maximum discharge current max. total withstand @ 8/20 µs	I <sub>max</sub> Total	140 kA	
Impulse current by pole max. withstand 10/350µs by pole	I <sub>imp</sub>	25 kA	
Total lightning current max. total withstand @ 10/350µs	I <sub>total</sub>	50 kA	
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs	Uoc	6 kV	
Specific energy by pole max. withstand 10/350 µs	W/R	156 kJ/ohm	
Protection mode(s)		L/PE and N/PE	
Protection level @ In (8/20µs) and @ 6 kV (1,2/50 µs)	Up	1.5 kV	
Admissible short-circuit current	I <sub>scrr</sub>	50 000 A	
Mechanical Characteristics			
Technology		VG Technology (MOV+GSG)	
SPD configuration		2-poles	
Connection to Network		By screw terminals: 6-35mm <sup>2</sup> / by bus	
Format		1-pole modular box	
Mounting		Symmetrical rail 35 mm (EN 60715)	
Housing material		Thermoplastic UL94 V-0	
Operating temperature	Tu	-40/+85°C	
Protection rating		IP20	
Failsafe mode		Disconnection from AC network	
Disconnection indicator		1 mechanical indicator - Red/Green	
Remote signaling of disconnection		Output on changeover contact	
Wiring for remote signaling		1.5 mm <sup>2</sup> max.	
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)	
Dimensions		See diagram - 4TE (EN43880)	
Weight		0.836 kg	
Disconnectors			
Thermal disconnector		Internal	
Installation ground fault breaker		Type 'S' or delayed	
Back-up protection device		Fuse assembly: SFD1-13S-20 / or 125 A min. - 315 A max. - Fuses Type gG	
Standards			
Standards compliance		EN 61643-11 / IEC 61643-11	
Part number			
29222022			