



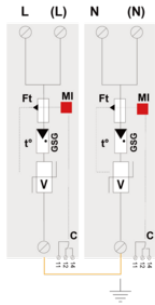
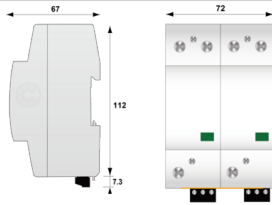
## Type 1+2+3 AC surge protector - Single phase

# CITEL

## 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	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 Leakage current to Ground	Ipe None
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
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>sc</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	

