



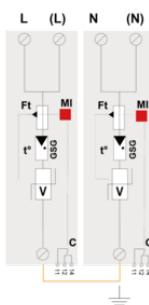
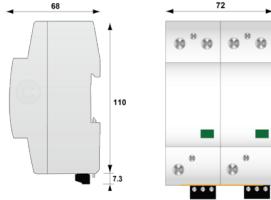
CITEL

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

## DACN1-25VGS-20-440



- Type 1 + 2+3 AC surge protector
- VG Technology
- In: 25 kA
- Iimp: 25 kA on 10/350 $\mu$ s 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<sup>o</sup>: 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	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 $\mu$ s impulses	In	25 kA
Max. discharge current max. withstand @ 8/20 $\mu$ s by pole	Imax	70 kA
Impulse current by pole max. withstand 10/350 $\mu$ s by pole	Iimp	25 kA
Total lightning current max. total withstand @ 10/350 $\mu$ s	Itotal	50 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50 $\mu$ s - 8/20 $\mu$ s	Uoc	6 kV
Specific energy by pole max. withstand 10/350 $\mu$ s	W/R	156 kJ/ohm
Protection mode(s)	L/PE and N/PE	
Protection level @ In (8/20 $\mu$ s) and @ 6 kV (1.2/50 $\mu$ s)	Up	1.5 kV
Admissible short-circuit current	Isccr	50 000 A

## Mechanical Characteristics

Technology	VG Technology (MOV+GSG)	
SPD configuration	2-poles	
Connection to Network	By screw terminals: 2.5-25mm <sup>2</sup> (35mm <sup>2</sup> rigid)	
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
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## Part number

29222022

