



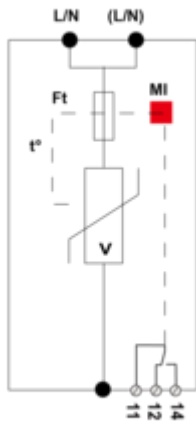
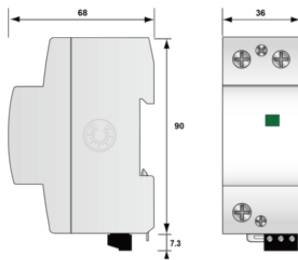
## Type 1+2 AC surge protector - 1-pole

# CITEL

### DACN1-13S-10-760



- Type 1 + 2 AC surge protector
- High energy discharge capacity(High duty)
- In: 40 kA, I<sub>max</sub>: 80kA
- I<sub>imp</sub>: 12.5 kA on 10/350µs impulse
- Unpluggable module for each phase
- Remote signaling
- EN 61643-11, IEC 61643-11 complied



V: High-energy varistor  
 Ft: Thermal fuse  
 C: Remote signal contact  
 t\*: Thermal disconnection system  
 MI: Disconnection indicator

#### Electrical Characteristics

SPD type		1+2
Max. AC operating voltage	U <sub>c</sub>	760 Vac
Max. load current @25°C	I <sub>L</sub>	100 A
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	1000 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	1325 Vac disconnection
Residual Current Leakage current to Ground	I <sub>pe</sub>	None
Follow current	I <sub>f</sub>	None
Nominal discharge current 15 x 8/20 µs impulses	I <sub>n</sub>	40 kA
Max. discharge current max. withstand @ 8/20 µs by pole	I <sub>max</sub>	80 kA
Impulse current by pole max. withstand 10/350µs by pole	I <sub>imp</sub>	12.5 kA
Specific energy by pole max. withstand 10/350 µs	W/R	40 kJ/ohm
Protection level @ I <sub>n</sub> (8/20µs)	U <sub>p</sub>	3.5 kV
Residual voltage at 5 kA @ 5 kA (8/20µs)	U <sub>p-5kA</sub>	2.3 kV
Admissible short-circuit current	I <sub>sc</sub>	25 000 A

#### Mechanical Characteristics

Technology		MOV
SPD configuration		Single phase
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	T <sub>u</sub>	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from AC network
Disconnection indicator		1 mechanical indicator by pole - 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 - 2TE (EN43880)
Weight		0.390 kg

#### Disconnectors

Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		Fuses Type gG - 125 A

#### Standards

Standards compliance		EN 61643-11 / IEC 61643-11
Certification		TUV Süd

#### Part number

29111012

