



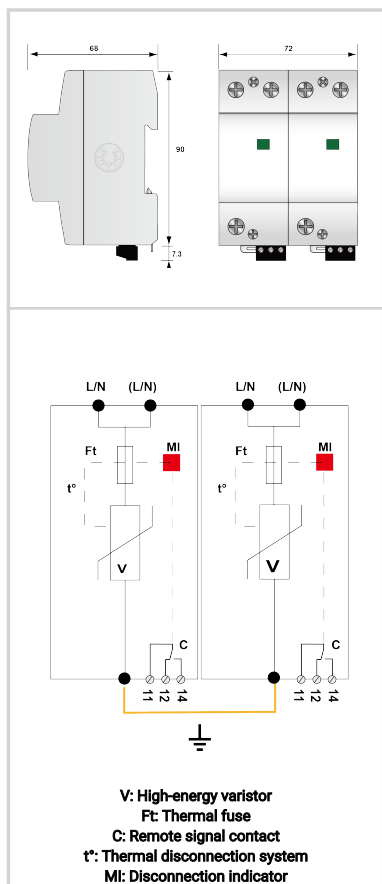
CITEL



Type 1+2 AC surge protector single-phase

DACN1-13S-20-760

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



Electrical Characteristics

SPD type	IEC	1+2
Network		690 V
AC system		TN
Max. AC operating voltage	U _c	760 Vac
Max. load current @25°C	I _L	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 _{pe}	None
Follow current	I _f	None
Nominal discharge current 15 x 8/20 μs impulses	I _n	40 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I _{max}	80 kA
Impulse current by pole max. withstand 10/350μs by pole	I _{imp}	12.5 kA
Specific energy by pole max. withstand 10/350 μs	W/R	40 kJ/ohm
Protection level @ I _n (8/20μs)	U _p	3.5 kV
Residual voltage at 5 kA @ 5 kA (8/20μs)	U _{p-5kA}	2.3 kV
Admissible short-circuit current	I _{sc}	25 000 A

Mechanical Characteristics

Technology		MOV
SPD configuration		Single phase
Connection to Network		By screw terminals: 2.5-25mm ² (35mm ² rigid)
Format		1-pole modular box
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	T _u	-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 ² max.
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions		See diagram - 4TE (EN43880)
Weight		0.800 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

29112012

