



Compact single-phase type 2 (or 3) surge protector - Monobloc

CITEL

DACN10S-20-150



- Cost effective single-phase surge protector
- Type 2 or 3 monobloc compact
- In/Imax: 5 kA/10 kA
- Max. load current: 25A
- 2-port configuration (series mounting)
- Remote signaling
- EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



	Electrical Characteristics	
	SPD type	IEC 2 (or 3)
	Network	120 V single-phase
	AC system	TN
	Max. AC operating voltage	Uc 150 Vac
	Max. load current @25°C	IL 25 A
	Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT 335 Vac withstand
	Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT 230 Vac disconnection
	Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection	UT 1200 V/300A/200 ms breaker disconnection
	Residual Current Leakage current to Ground	Ipe None
	Nominal discharge current 15 x 8/20 µs impulses	In 5 kA
	Max. discharge current max. withstand @ 8/20 µs by pole	Imax 10 kA
	Total Maximum discharge current max. total withstand @ 8/20 µs	Imax Total 20 kA
	Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs	Uoc 10 kV
	Protection level N/PE @ In (8/20µs)	Up N/PE 0.7 kV
	Protection level L/PE @ In (8/20µs)	Up L/PE 0.7 kV
	Admissible short-circuit current	Iscrc 10 000 A
	Mechanical Characteristics	
	SPD configuration	Single phase
	Connection to Network	By screw terminals: 1.5-10mm ²
	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	Green LED OFF
	Remote signaling of disconnection	output on NC contact
	Wiring for remote signaling	1.5 mm ² max.
	Max. Voltage/Current for remote signaling	250 V / 0.5 A (AC) / 30 V / 2 A (DC)
	Dimensions	See diagram - 1TE (EN43880)
	Weight	0.0917 kg
	Disconnectors	
	Thermal disconnector	Internal
	Installation ground fault breaker	Type 'S' or delayed
	Back-up protection device	Fuses type gG - 25A
	Standards	
	Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
	Part number	
	70113012	

V: High-energy varistor
 GSG: Specific Gas Tube
 LED: Disconnection indicator
 Ft: Thermal fuse
 t*: Thermal disconnection system

