



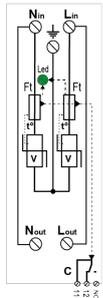
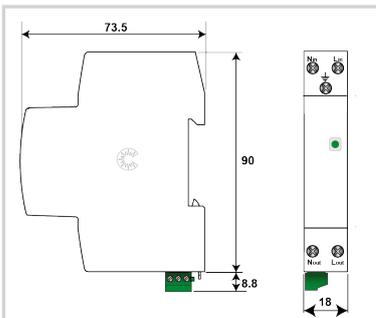
CITEL

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

DACN10S-20-440



- 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



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

Electrical Characteristics

SPD type	IEC	2+3
Network		230 V single-phase
AC system		IT-TN
Max. AC operating voltage	Uc	440 Vac
Max. load current @25°C	IL	25 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	< 1 mA
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	1.6 kV
Protection level L/PE @ In (8/20μs)	Up L/PE	1.6 kV
Admissible short-circuit current	Iscrr	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		0.092 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
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Part number

70113032

