



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

CITEL

DACN10S-11-150



- 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																																																	
<p>V: High-energy varistor GSG: Specific Gas Tube LED: Disconnection indicator Ft: Thermal fuse t*: Thermal disconnection system</p>	<table border="1"> <tr><td>SPD type</td><td></td><td>2 (or 3)</td></tr> <tr><td>Network</td><td></td><td>120 V single-phase</td></tr> <tr><td>AC system</td><td></td><td>TT-TN</td></tr> <tr><td>Max. AC operating voltage</td><td>Uc</td><td>150 Vac</td></tr> <tr><td>Max. load current @25°C</td><td>IL</td><td>25 A</td></tr> <tr><td>Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection</td><td>UT</td><td>180 Vac withstand</td></tr> <tr><td>Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection</td><td>UT</td><td>230 Vac disconnection</td></tr> <tr><td>Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection</td><td>UT</td><td>1200 V/300A/200 ms breaker disconnection</td></tr> <tr><td>Residual Current Leakage current to Ground</td><td>Ipe</td><td>None</td></tr> <tr><td>Nominal discharge current 15 x 8/20 µs impulses</td><td>In</td><td>5 kA</td></tr> <tr><td>Max. discharge current max. withstand @ 8/20 µs by pole</td><td>Imax</td><td>10 kA</td></tr> <tr><td>Total Maximum discharge current max. total withstand @ 8/20 µs</td><td>Imax Total</td><td>20 kA</td></tr> <tr><td>Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs</td><td>Uoc</td><td>10 kV</td></tr> <tr><td>Protection level L/N @ In (8/20µs)</td><td>Up L/N</td><td>0.7 kV</td></tr> <tr><td>Protection level N/PE @ In (8/20µs)</td><td>Up N/PE</td><td>1.5 kV</td></tr> <tr><td>Admissible short-circuit current</td><td>Isc cr</td><td>10 000 A</td></tr> </table>		SPD type		2 (or 3)	Network		120 V single-phase	AC system		TT-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	180 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 L/N @ In (8/20µs)	Up L/N	0.7 kV	Protection level N/PE @ In (8/20µs)	Up N/PE	1.5 kV	Admissible short-circuit current	Isc cr	10 000 A
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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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