



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

CITEL

DACN10S-11-275



- 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 C: Remote signaling contact</p>	<table border="1"> <tr><td>SPD type</td><td></td><td>2 (or 3)</td></tr> <tr><td>Network</td><td></td><td>230 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>275 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>335 Vac withstand</td></tr> <tr><td>Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection</td><td>UT</td><td>440 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>1.1 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>Iscrr</td><td>10 000 A</td></tr> </table>		SPD type		2 (or 3)	Network		230 V single-phase	AC system		TT-TN	Max. AC operating voltage	Uc	275 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	440 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	1.1 kV	Protection level N/PE @ In (8/20µs)	Up N/PE	1.5 kV	Admissible short-circuit current	Iscrr	10 000 A
SPD type		2 (or 3)																																																
Network		230 V single-phase																																																
AC system		TT-TN																																																
Max. AC operating voltage	Uc	275 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	440 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	1.1 kV																																																
Protection level N/PE @ In (8/20µs)	Up N/PE	1.5 kV																																																
Admissible short-circuit current	Iscrr	10 000 A																																																
Mechanical Characteristics																																																		
<table border="1"> <tr><td>SPD configuration</td><td>Single phase</td></tr> <tr><td>Connection to Network</td><td>By screw terminals: 1.5-10mm²</td></tr> <tr><td>Mounting</td><td>Symmetrical rail 35 mm (EN 60715)</td></tr> <tr><td>Housing material</td><td>Thermoplastic UL94 V-0</td></tr> <tr><td>Operating temperature</td><td>Tu -40/+85°C</td></tr> <tr><td>Protection rating</td><td>IP20</td></tr> <tr><td>Failsafe mode</td><td>Disconnection from AC network</td></tr> <tr><td>Disconnection indicator</td><td>Green LED OFF</td></tr> <tr><td>Remote signaling of disconnection</td><td>output on NC contact</td></tr> <tr><td>Wiring for remote signaling</td><td>1.5 mm² max.</td></tr> <tr><td>Max. Voltage/Current for remote signaling</td><td>250 V / 0.5 A (AC) / 30 V / 2 A (DC)</td></tr> <tr><td>Dimensions</td><td>See diagram - 1TE (EN43880)</td></tr> <tr><td>Weight</td><td>0.092 kg</td></tr> </table>		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																							
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																																																		
<table border="1"> <tr><td>Thermal disconnector</td><td>Internal</td></tr> <tr><td>Installation ground fault breaker</td><td>Type 'S' or delayed</td></tr> <tr><td>Back-up protection device</td><td>Fuses type gG - 25A</td></tr> </table>		Thermal disconnector	Internal	Installation ground fault breaker	Type 'S' or delayed	Back-up protection device	Fuses type gG - 25A																																											
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																																																		
70111022																																																		

