

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																																																					
<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>IEC</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>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>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>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</td> <td>Ipe</td> <td>None</td> </tr> <tr> <td>Leakage current to Ground</td> <td></td> <td></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 N/PE @ In (8/20µs)</td> <td>Up N/PE</td> <td>0.7 kV</td> </tr> <tr> <td>Protection level L/PE @ In (8/20µs)</td> <td>Up L/PE</td> <td>0.7 kV</td> </tr> <tr> <td>Admissible short-circuit current</td> <td>Iscrc</td> <td>10 000 A</td> </tr> </table>			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	Ipe	None	Leakage current to Ground			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
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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		0.0917 kg																																																				
Disconnectors																																																						
Thermal disconnector		Internal																																																				
Installation ground fault breaker		Type 'S' or delayed																																																				
Back-up protection device		Fuses type gG - 25A																																																				
Standards																																																						
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