

DACN10S-20-275



- ✦ 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: Varistor Ft: Thermal fuse LED: Disconnection indicator t*: Thermal disconnection system C: Remote signal contact</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>230 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>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</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 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>1.1 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		230 V single-phase	AC system		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	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 L/N @ In (8/20µs)	Up L/N	1.1 kV	Protection level N/PE @ In (8/20µs)	Up N/PE	1.1 kV	Admissible short-circuit current	Iscrc	10 000 A	<table border="1"> <tr><td colspan="3" style="background-color: #f28b82;">Mechanical Characteristics</td></tr> <tr><td>SPD configuration</td><td></td><td>Single phase</td></tr> <tr><td>Connection to Network</td><td></td><td>By screw terminals: 1.5-10mm²</td></tr> <tr><td>Mounting</td><td></td><td>Symmetrical rail 35 mm (EN 60715)</td></tr> <tr><td>Housing material</td><td></td><td>Thermoplastic UL94 V-0</td></tr> <tr><td>Operating temperature</td><td>Tu</td><td>-40/+85°C</td></tr> <tr><td>Protection rating</td><td></td><td>IP20</td></tr> <tr><td>Failsafe mode</td><td></td><td>Disconnection from AC network</td></tr> <tr><td>Disconnection indicator</td><td></td><td>Green LED OFF</td></tr> <tr><td>Remote signaling of disconnection</td><td></td><td>output on NC contact</td></tr> <tr><td>Wiring for remote signaling</td><td></td><td>1.5 mm² max.</td></tr> <tr><td>Max. Voltage/Current for remote signaling</td><td></td><td>250 V / 0.5 A (AC) / 30 V / 2 A (DC)</td></tr> <tr><td>Dimensions</td><td></td><td>See diagram - 1TE (EN43880)</td></tr> <tr><td>Weight</td><td></td><td>0.0924 kg</td></tr> </table>	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		0.0924 kg
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