



Type 1+2+3 AC surge protector - Single phase

CITEL

DACN1-35VGS-20-440



- Type 1+2+3 AC surge protector
- VG Technology
- In: 35 kA
- Iimp: 35 kA on 10/350µs impulse
- No leakage current
- Unpluggable module for each phase
- Remote signaling
- Optimized to TOV
- EN 61643-11, IEC 61643-11 complied



	Electrical Characteristics																																														
<p>V: High-energy varistor GSG: Specific gas tube Ft: Thermal fuse C: Remote signaling contact t*: Thermal disconnection system MI: Disconnection indicator</p>	<table border="1"> <tbody> <tr><td>SPD type</td><td></td><td>1+2+3</td></tr> <tr><td>Max. AC operating voltage</td><td>Uc</td><td>440 Vac</td></tr> <tr><td>Max. load current @25°C</td><td>IL</td><td>100 A</td></tr> <tr><td>Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection</td><td>UT</td><td>580 Vac withstand</td></tr> <tr><td>Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection</td><td>UT</td><td>770 Vac disconnection</td></tr> <tr><td>Residual Current Leakage current to Ground</td><td>Ipe</td><td>None</td></tr> <tr><td>Follow current</td><td>If</td><td>None</td></tr> <tr><td>Nominal discharge current 15 x 8/20 µs impulses</td><td>In</td><td>35 kA</td></tr> <tr><td>Max. discharge current max. withstand @ 8/20 µs by pole</td><td>I_{max}</td><td>70 kA</td></tr> <tr><td>Impulse current by pole max. withstand 10/350µs by pole</td><td>I_{imp}</td><td>35 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>6 kV</td></tr> <tr><td>Specific energy by pole max. withstand 10/350 µs</td><td>W/R</td><td>306 kJ/o</td></tr> <tr><td>Protection level @ In (8/20µs) and @ 6 kV (1,2/50 µs)</td><td>Up</td><td>1.8 kV</td></tr> <tr><td>Admissible short-circuit current</td><td>I_{sc}</td><td>50 000 A</td></tr> </tbody> </table>		SPD type		1+2+3	Max. AC operating voltage	Uc	440 Vac	Max. load current @25°C	IL	100 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	None	Follow current	If	None	Nominal discharge current 15 x 8/20 µs impulses	In	35 kA	Max. discharge current max. withstand @ 8/20 µs by pole	I _{max}	70 kA	Impulse current by pole max. withstand 10/350µs by pole	I _{imp}	35 kA	Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs	Uoc	6 kV	Specific energy by pole max. withstand 10/350 µs	W/R	306 kJ/o	Protection level @ In (8/20µs) and @ 6 kV (1,2/50 µs)	Up	1.8 kV	Admissible short-circuit current	I _{sc}	50 000 A			
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