



## Type 2 AC surge protector - 3-phase+N

# CITEL

### DAC40CS-31-320



- ↳ Compact, multipole type 2
- ↳ Conductivity per pole:  $I_n = 20$  kA;  $I_{max} = 40$  kA
- ↳ Protection modes - common and/or differential
- ↳ Safe disconnect device
- ↳ Transverse / longitudinal voltage protection
- ↳ Energetically coordinated
- ↳ Pluggable protection module
- ↳ Remote signalling
- ↳ Conforms to IEC 61643-11 / EN 61643-11 and UL1449 ed.5



	<b>Electrical Characteristics</b>																																																	
<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>2</td></tr> <tr><td>Network</td><td></td><td>230/400 V</td></tr> <tr><td>AC system</td><td></td><td>TT-TNS</td></tr> <tr><td>Max. AC operating voltage</td><td>Uc</td><td>320 Vac</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 withstand</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 <math>\mu</math>s impulses</td><td>I<sub>n</sub></td><td>20 kA</td></tr> <tr><td>Max. discharge current max. withstand @ 8/20 <math>\mu</math>s by pole</td><td>I<sub>max</sub></td><td>40 kA</td></tr> <tr><td>Total Maximum discharge current max. total withstand @ 8/20 <math>\mu</math>s</td><td>I<sub>max</sub> Total</td><td>40 kA</td></tr> <tr><td>Protection mode(s)</td><td></td><td>L/PE and N/PE</td></tr> <tr><td>Protection level L/N @ I<sub>n</sub> (8/20<math>\mu</math>s)</td><td>Up L/N</td><td>1.5 kV</td></tr> <tr><td>Protection level N/PE @ I<sub>n</sub> (8/20<math>\mu</math>s)</td><td>Up N/PE</td><td>1.5 kV</td></tr> <tr><td>Admissible short-circuit current</td><td>I<sub>sc</sub></td><td>10 000 A</td></tr> </tbody> </table>		SPD type		2	Network		230/400 V	AC system		TT-TNS	Max. AC operating voltage	Uc	320 Vac	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 withstand	Residual Current Leakage current to Ground	Ipe	None	Follow current	If	None	Nominal discharge current 15 x 8/20 $\mu$ s impulses	I <sub>n</sub>	20 kA	Max. discharge current max. withstand @ 8/20 $\mu$ s by pole	I <sub>max</sub>	40 kA	Total Maximum discharge current max. total withstand @ 8/20 $\mu$ s	I <sub>max</sub> Total	40 kA	Protection mode(s)		L/PE and N/PE	Protection level L/N @ I <sub>n</sub> (8/20 $\mu$ s)	Up L/N	1.5 kV	Protection level N/PE @ I <sub>n</sub> (8/20 $\mu$ s)	Up N/PE	1.5 kV	Admissible short-circuit current	I <sub>sc</sub>	10 000 A
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