



Type 2 AC surge protector - 3-phase+N

CITEL

DAC50S-40-440



- Type 2 AC surge protector
- In: 20 kA
- Imax: 50 kA
- Pluggable module for each phase
- Remote signaling
- UL1449 ed.5 certified
- EN 61643-11, IEC 61643-11 compliance



	Electrical Characteristics																																																				
<p>V: High-energy varistor Ft: Thermal fuse C: Remote signal contact t*: Thermal disconnection system MI: Disconnection indicator</p>	<table border="1"> <tr><td>SPD type</td><td colspan="2">2</td></tr> <tr><td>Network</td><td colspan="2">230/400 V 3-phase+N</td></tr> <tr><td>AC system</td><td colspan="2">IT</td></tr> <tr><td>Max. AC operating voltage</td><td>Uc</td><td>440 Vac</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>< 1 mA</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>20 kA</td></tr> <tr><td>Max. discharge current max. withstand @ 8/20 μs by pole</td><td>Imax</td><td>50 kA</td></tr> <tr><td>Total Maximum discharge current max. total withstand @ 8/20 μs</td><td>Imax Total</td><td>200 kA</td></tr> <tr><td>Protection mode(s)</td><td colspan="2">L/PE and N/PE</td></tr> <tr><td>Protection level N/PE @ In (8/20μs)</td><td>Up N/PE</td><td>2 kV</td></tr> <tr><td>Protection level L/PE @ In (8/20μs)</td><td>Up L/PE</td><td>2 kV</td></tr> <tr><td>Protection level N/PE at 5 kA @ 5 kA (8/20μs)</td><td>Up-5kA</td><td>1.5 kV</td></tr> <tr><td>Residual voltage L/PE at 5 kA @ 5 kA (8/20μs)</td><td>Up-5kA</td><td>1.5 kV</td></tr> <tr><td>Admissible short-circuit current</td><td>Iscrr</td><td>50 000 A</td></tr> </table>		SPD type	2		Network	230/400 V 3-phase+N		AC system	IT		Max. AC operating voltage	Uc	440 Vac	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	< 1 mA	Follow current	If	None	Nominal discharge current 15 x 8/20 μs impulses	In	20 kA	Max. discharge current max. withstand @ 8/20 μs by pole	Imax	50 kA	Total Maximum discharge current max. total withstand @ 8/20 μs	Imax Total	200 kA	Protection mode(s)	L/PE and N/PE		Protection level N/PE @ In (8/20μs)	Up N/PE	2 kV	Protection level L/PE @ In (8/20μs)	Up L/PE	2 kV	Protection level N/PE at 5 kA @ 5 kA (8/20μs)	Up-5kA	1.5 kV	Residual voltage L/PE at 5 kA @ 5 kA (8/20μs)	Up-5kA	1.5 kV	Admissible short-circuit current	Iscrr	50 000 A
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