



Type 2 AC surge protector with integrated fuse - Single-phase

CITEL

DACF25-20-440



- ▶ Type 2 AC Multipolar surge protector
- ▶ In : 15 kA
- ▶ I_{max} total : 50 kA
- ▶ Internal Fuse
- ▶ Pluggable module for each phase
- ▶ Remote signaling option
- ▶ EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



	Electrical Characteristics																																																				
<p>V: High-energy varistor Ft: Thermal fuse F: Overcurrent protection (fuse) t*: Thermal disconnection system MI: Disconnection indicator</p>	<table border="1"> <tr><td>SPD type</td><td></td><td>2</td></tr> <tr><td>Network</td><td></td><td>230 V single-phase</td></tr> <tr><td>AC system</td><td></td><td>IT</td></tr> <tr><td>Max. AC operating voltage</td><td>U_c</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>I_{pe}</td><td>< 1 mA</td></tr> <tr><td>Follow current</td><td>I_f</td><td>None</td></tr> <tr><td>Nominal discharge current 15 x 8/20 μs impulses</td><td>I_n</td><td>15 kA</td></tr> <tr><td>Max. discharge current max. withstand @ 8/20 μs by pole</td><td>I_{max}</td><td>25 kA</td></tr> <tr><td>Total Maximum discharge current max. total withstand @ 8/20 μs</td><td>I_{max} Total</td><td>50 kA</td></tr> <tr><td>Connection mode(s)</td><td></td><td>L/PE and N/PE</td></tr> <tr><td>Protection level N/PE @ I_n (8/20μs)</td><td>Up N/PE</td><td>2 kV</td></tr> <tr><td>Protection level L/PE @ I_n (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>I_{sc}</td><td>100 000 A</td></tr> </table>		SPD type		2	Network		230 V single-phase	AC system		IT	Max. AC operating voltage	U _c	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	I _{pe}	< 1 mA	Follow current	I _f	None	Nominal discharge current 15 x 8/20 μs impulses	I _n	15 kA	Max. discharge current max. withstand @ 8/20 μs by pole	I _{max}	25 kA	Total Maximum discharge current max. total withstand @ 8/20 μs	I _{max} Total	50 kA	Connection mode(s)		L/PE and N/PE	Protection level N/PE @ I _n (8/20μs)	Up N/PE	2 kV	Protection level L/PE @ I _n (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	I _{sc}	100 000 A
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