



Type 2 AC surge protector - 3-phase

CITEL

DAC40CS-30-320



- ↳ Compact, multipole type 2
- ↳ Conductivity per pole: $I_n = 20 \text{ kA}$; $I_{max} = 40 \text{ kA}$
- ↳ 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



	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"> <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>TN</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>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>I_n</td><td>20 kA</td></tr> <tr><td>Max. discharge current max. withstand @ 8/20 μs by pole</td><td>I_{max}</td><td>40 kA</td></tr> <tr><td>Total Maximum discharge current max. total withstand @ 8/20 μs</td><td>I_{max} Total</td><td>160 kA</td></tr> <tr><td>Protection mode(s)</td><td></td><td>L/PE and N/PE</td></tr> <tr><td>Protection level L/PE @ I_n (8/20 μs)</td><td>Up L/PE</td><td>1.5 kV</td></tr> <tr><td>Admissible short-circuit current</td><td>Iscsr</td><td>10 000 A</td></tr> </tbody> </table>		SPD type		2	Network		230/400 V	AC system		TN	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	Residual Current Leakage current to Ground	Ipe	< 1 mA	Follow current	If	None	Nominal discharge current 15 x 8/20 μs impulses	I_n	20 kA	Max. discharge current max. withstand @ 8/20 μs by pole	I_{max}	40 kA	Total Maximum discharge current max. total withstand @ 8/20 μs	I_{max} Total	160 kA	Protection mode(s)		L/PE and N/PE	Protection level L/PE @ I_n (8/20 μs)	Up L/PE	1.5 kV	Admissible short-circuit current	Iscsr	10 000 A
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	Mechanical Characteristics																																											
	Technology	MOV																																										
	SPD configuration	3-phase																																										
	Connection to Network	By screw terminals: L/N = 1.5-10mm ² (16mm ² rigid) or PE = 2.5-25mm ² (35mm ² rigid)																																										
	Format	Plug-in modular box																																										
	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	2 mechanical indicators - Red/Green																																										
	Spare module(s)	MDAC40C-30-320																																										
	Remote signaling of disconnection	Output on changeover contact																																										
	Wiring for remote signaling	1.5 mm ² max.																																										
	Max. Voltage/Current for remote signaling	250 V / 0.5 A (AC) / 30 V / 3 A (DC)																																										
	Dimensions	See diagram - 2TE (EN43880)																																										
	Weight	0.231 kg																																										
	Disconnectors																																											
	Thermal disconnector	Internal																																										
	Installation ground fault breaker	Type 'S' or delayed																																										
	Back-up protection device	50 A min. - 125 A max. - Fuses Type gG																																										
	Standards																																											
	Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5																																										
	Part number																																											
	821510323																																											

