

**DAC40CS-11-275**


- ✦ Compact Surge protector, 2-pole Type 2 or 3
- ✦ Conductivity per pole: In= 20 kA; Imax= 40 kA
- ✦ Common protection mode
- ✦ Safe disconnect device
- ✦ Transverse / longitudinal voltage protection
- ✦ Energetically coordinated
- ✦ Pluggable protection module
- ✦ Remote signalling
- ✦ IEC 61643-11 / EN 61643-11 certified
- ✦ UL1449 ed.5 compliance



	<b>Electrical Characteristics</b>																																																	
<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>IEC</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>TT-TN</td></tr> <tr><td>Max. AC operating voltage</td><td>Uc</td><td>275 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 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>40 kA</td></tr> <tr><td>Total Maximum discharge current max. total withstand @ 8/20 µs</td><td>Imax 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 @ In (8/20µs)</td><td>Up L/N</td><td>1.25 kV</td></tr> <tr><td>Protection level N/PE @ In (8/20µs)</td><td>Up N/PE</td><td>1.5 kV</td></tr> <tr><td>Admissible short-circuit current</td><td>Iscrc</td><td>10 000 A</td></tr> </table>		SPD type	IEC	2	Network		230 V single-phase	AC system		TT-TN	Max. AC operating voltage	Uc	275 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 µs impulses	In	20 kA	Max. discharge current max. withstand @ 8/20 µs by pole	Imax	40 kA	Total Maximum discharge current max. total withstand @ 8/20 µs	Imax Total	40 kA	Protection mode(s)		L/PE and N/PE	Protection level L/N @ In (8/20µs)	Up L/N	1.25 kV	Protection level N/PE @ In (8/20µs)	Up N/PE	1.5 kV	Admissible short-circuit current	Iscrc	10 000 A
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<b>Mechanical Characteristics</b>																																																		
Technology		MOV+GDT																																																
SPD configuration		Single phase																																																
Connection to Network		By screw terminals: L/N = 1.5-10mm <sup>2</sup> (16mm <sup>2</sup> rigid) or PE = 2.5-25mm <sup>2</sup> (35mm <sup>2</sup> 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		1 mechanical indicator - Red/Green																																																
Spare module(s)		MDAC40C-11-275																																																
Remote signaling of disconnection		Output on changeover contact																																																
Wiring for remote signaling		1.5 mm <sup>2</sup> max.																																																
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)																																																
Dimensions		See diagram - 1TE (EN43880)																																																
Weight		0.100 kg																																																
<b>Disconnectors</b>																																																		
Thermal disconnector		Internal																																																
Installation ground fault breaker		Type 'S' or delayed																																																
Back-up protection device		50 A min. - 125 A max. - Fuses Type gG																																																
<b>Standards</b>																																																		
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Certification		KEMA																																																
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