



Type 2 (or 3) AC surge protector - 3-phase

CITEL

DAC15C-30-150



- ↳ Compact 3-phase Type 2 (or 3) surge protector
- ↳ In: 5 kA
- ↳ I_{max}: 15 kA
- ↳ Common mode
- ↳ Pluggable module
- ↳ Remote signaling (option)
- ↳ EN 61643-11, IEC 61643-11 and UL1449 ed.5 compliance



	Electrical Characteristics																																														
<p>V: High-energy varistor Ft: Thermal fuse t*: Thermal disconnection system MI: Disconnection indicator</p>	<table border="1"> <tbody> <tr><td>SPD type</td><td></td><td>2 (or 3)</td></tr> <tr><td>Network</td><td></td><td>120/208 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>150 Vac</td></tr> <tr><td>Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection</td><td>UT</td><td>180 Vac withstand</td></tr> <tr><td>Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection</td><td>UT</td><td>230 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>5 kA</td></tr> <tr><td>Max. discharge current max. withstand @ 8/20 μs by pole</td><td>I_{max}</td><td>15 kA</td></tr> <tr><td>Total Maximum discharge current max. total withstand @ 8/20 μs</td><td>I_{max} Total</td><td>60 kA</td></tr> <tr><td>Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs</td><td>Uoc</td><td>10 kV</td></tr> <tr><td>Protection mode(s)</td><td></td><td>L/PE</td></tr> <tr><td>Protection level L/PE @ I_n (8/20μs)</td><td>Up L/PE</td><td>0.6 kV</td></tr> <tr><td>Admissible short-circuit current</td><td>I_{sccr}</td><td>10 000 A</td></tr> </tbody> </table>		SPD type		2 (or 3)	Network		120/208 V	AC system		TN	Max. AC operating voltage	Uc	150 Vac	Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	180 Vac withstand	Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	230 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	5 kA	Max. discharge current max. withstand @ 8/20 μs by pole	I _{max}	15 kA	Total Maximum discharge current max. total withstand @ 8/20 μs	I _{max} Total	60 kA	Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs	Uoc	10 kV	Protection mode(s)		L/PE	Protection level L/PE @ I _n (8/20μs)	Up L/PE	0.6 kV	Admissible short-circuit current	I _{sccr}	10 000 A
SPD type		2 (or 3)																																													
Network		120/208 V																																													
AC system		TN																																													
Max. AC operating voltage	Uc	150 Vac																																													
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	180 Vac withstand																																													
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	230 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	5 kA																																													
Max. discharge current max. withstand @ 8/20 μs by pole	I _{max}	15 kA																																													
Total Maximum discharge current max. total withstand @ 8/20 μs	I _{max} Total	60 kA																																													
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs	Uoc	10 kV																																													
Protection mode(s)		L/PE																																													
Protection level L/PE @ I _n (8/20μs)	Up L/PE	0.6 kV																																													
Admissible short-circuit current	I _{sccr}	10 000 A																																													
	Mechanical Characteristics																																														
	<table border="1"> <tbody> <tr><td>Technology</td><td></td><td>MOV</td></tr> <tr><td>SPD configuration</td><td></td><td>3-phase</td></tr> <tr><td>Connection to Network</td><td></td><td>By screw terminals: L/N = 1.5-10mm² (16mm² rigid) or PE = 2.5-25mm² (35mm² rigid)</td></tr> <tr><td>Format</td><td></td><td>Plug-in modular box</td></tr> <tr><td>Mounting</td><td></td><td>Symmetrical rail 35 mm (EN 60715)</td></tr> <tr><td>Housing material</td><td></td><td>Thermoplastic UL94 V-0</td></tr> <tr><td>Operating temperature</td><td>Tu</td><td>-40/+85°C</td></tr> <tr><td>Protection rating</td><td></td><td>IP20</td></tr> <tr><td>Failsafe mode</td><td></td><td>Disconnection from AC network</td></tr> <tr><td>Disconnection indicator</td><td></td><td>2 mechanical indicators - Red/Green</td></tr> <tr><td>Spare module(s)</td><td></td><td>MDAC15C-30-150</td></tr> <tr><td>Remote signaling of disconnection</td><td></td><td>Option DAC15CS-30-150 : output on changeover contact</td></tr> <tr><td>Dimensions</td><td></td><td>See diagram - 2TE (EN43880)</td></tr> <tr><td>Weight</td><td></td><td>0.209 kg</td></tr> </tbody> </table>		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)		MDAC15C-30-150	Remote signaling of disconnection		Option DAC15CS-30-150 : output on changeover contact	Dimensions		See diagram - 2TE (EN43880)	Weight		0.209 kg			
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)		MDAC15C-30-150																																													
Remote signaling of disconnection		Option DAC15CS-30-150 : output on changeover contact																																													
Dimensions		See diagram - 2TE (EN43880)																																													
Weight		0.209 kg																																													
	Disconnectors																																														
	<table border="1"> <tbody> <tr><td>Thermal disconnecter</td><td></td><td>Internal</td></tr> <tr><td>Installation ground fault breaker</td><td></td><td>Type 'S' or delayed</td></tr> <tr><td>Back-up protection device</td><td></td><td>20 A min. - 125 A max. - Fuses type gG</td></tr> </tbody> </table>		Thermal disconnecter		Internal	Installation ground fault breaker		Type 'S' or delayed	Back-up protection device		20 A min. - 125 A max. - Fuses type gG																																				
Thermal disconnecter		Internal																																													
Installation ground fault breaker		Type 'S' or delayed																																													
Back-up protection device		20 A min. - 125 A max. - Fuses type gG																																													
	Standards																																														
	Standards compliance IEC 61643-11 / EN 61643-11 / UL1449 ed.5																																														
	Part number																																														
	821610113																																														

