



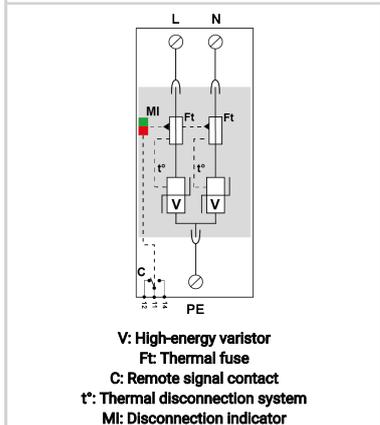
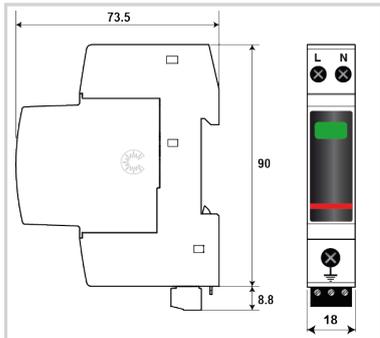
CITEL

Compact 1-phase Type 2 surge protector - 150 V -Pluggable

DAC40CS-20-150



- › Compact Surge protector, 2-pole Type 2
- › Conductivity per pole: $I_n = 20 \text{ kA}$; $I_{max} = 40 \text{ kA}$
- › 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



Electrical Characteristics		
SPD type	IEC	2
Network		120 V single-phase
AC system		TN
Nominal line voltage	U_n	120 Vac
Max. AC operating voltage	U_c	150 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	UT	180 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	UT	230 Vac disconnection
Temporary Over Voltage N/PE (TOV HT) <i>Without disconnection or with safety disconnection</i>	UT	1200 V/300A/200 ms withstand
Residual Current <i>Leakage current to Ground</i>	I_{pe}	< 1 mA
Follow current	I_f	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	I_n	20 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I_{max}	40 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i>	I_{max} Total	40 kA
Connection mode(s)		L/N and N/PE
Protection mode(s)		L/PE and N/PE
Residual voltage at 5 kA <i>@ 5 kA (8/20μs)</i>	U_{p-5kA}	0.6 kV
Protection level L/N <i>@ I_n (8/20μs)</i>	$U_{p-L/N}$	0.9 kV
Protection level N/PE <i>@ I_n (8/20μs)</i>	$U_{p-N/PE}$	0.9 kV
Protection level L/PE <i>@ I_n (8/20μs)</i>	$U_{p-L/PE}$	1.2 kV
Admissible short-circuit current	I_{scrr}	10 000 A
Mechanical Characteristics		
Technology		MOV
SPD configuration		Single 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	T_u	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from AC network
Disconnection indicator		1 mechanical indicator - Red/Green
Spare module(s)		MDAC40C-20-150
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 - 1 TE (EN43880)
Disconnectors		
Thermal disconnector		Internal



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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
Certification	KEMA
Environmental standards	EU RoHS
Part number	
821510121	

