



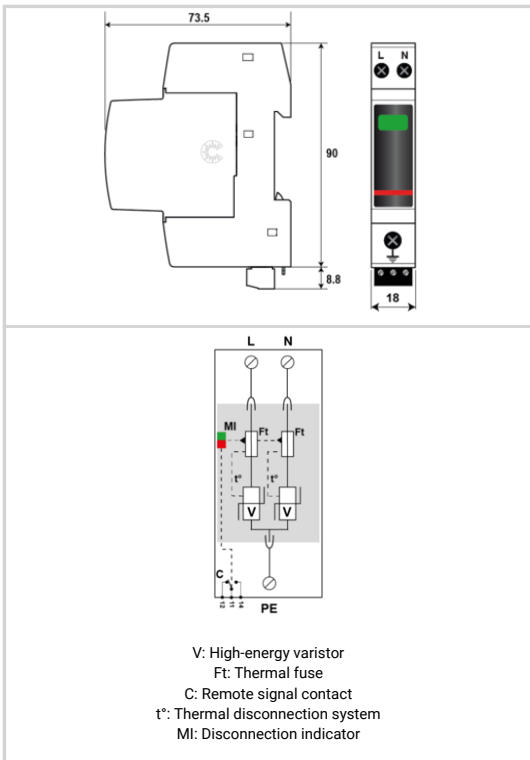
# Compact 1-phase Type 2 surge protector - 150 V -Pluggable

# CITEL

## DAC40CS-20-150



- ↳ Compact Surge protector, 2-pole Type 2 or 3
- ↳ 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		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. Without disconnection	UT	180 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	230 Vac disconnection
Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection	UT	1200 V/300A/200 ms withstand
Residual Current	$I_{pe}$	< 1 mA
Leakage current to Ground		
Follow current	$I_f$	None
Nominal discharge current 15 x 8/20 $\mu$ s impulses	$I_n$	20 kA
Max. discharge current max. withstand @ 8/20 $\mu$ s by pole	$I_{max}$	40 kA
Total Maximum discharge current max. total withstand @ 8/20 $\mu$ s	$I_{max}$ Total	40 kA
Connection mode(s)		L/N and N/PE
Protection mode(s)		L/PE and N/PE
Residual voltage at 5 kA @ 5 kA (8/20 $\mu$ s)	Up-5kA	0.6 kV
Protection level L/N @ $I_n$ (8/20 $\mu$ s)	Up L/N	0.9 kV
Protection level N/PE @ $I_n$ (8/20 $\mu$ s)	Up N/PE	0.9 kV
Protection level L/PE @ $I_n$ (8/20 $\mu$ s)	Up 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 <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	$T_u$	-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 <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		0.175 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
Certification		KEMA

Part number

821510121