



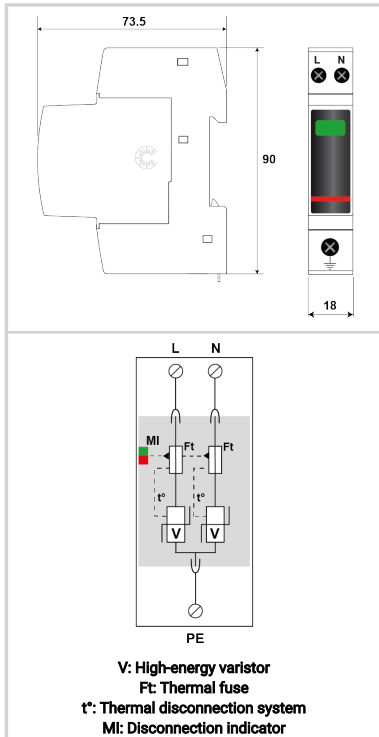
# CITEL

## Compact 1-phase Type 2 (or 3) surge protector - Pluggable

### DAC40C-20-440



- ▶ 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
- ▶ IEC 61643-11 / EN 61643-11 certified
- ▶ UL1449 ed.5 compliance



Electrical Characteristics		
SPD type	IEC	2
Network		230 V single-phase
AC system		IT
Max. AC operating voltage	$U_c$	440 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	580 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	770 Vac disconnection
Residual Current Leakage current to Ground	$I_{pe}$	< 1 mA
Follow current	$I_f$	None
Nominal discharge current 15 x 8/20 $\mu\text{s}$ impulses	$I_n$	20 kA
Max. discharge current max. withstand @ 8/20 $\mu\text{s}$ by pole	$I_{max}$	40 kA
Total Maximum discharge current max. total withstand @ 8/20 $\mu\text{s}$	$I_{max}$ Total	80 kA
Protection mode(s)		L/PE and N/PE
Protection level N/PE @ $I_n$ (8/20 $\mu\text{s}$ )	Up N/PE	1.8 kV
Protection level L/PE @ $I_n$ (8/20 $\mu\text{s}$ )	Up L/PE	1.8 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-20-440
Remote signaling of disconnection		Option DAC40CS-20-440 : 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 - 1 TE (EN43880)
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		
<b>821510411</b>		

