



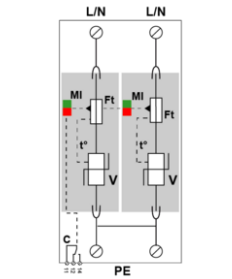
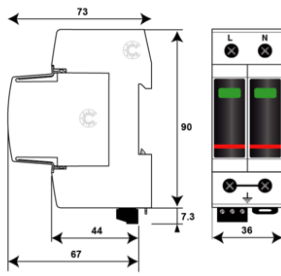
# Type 2 AC surge protector - Single-phase

# CITEL

## DAC50S-20-440



- ↳ Type 2 AC surge protector
- ↳ In: 20 kA
- ↳ Imax: 50 kA
- ↳ Pluggable module for each phase
- ↳ Remote signaling
- ↳ UL1449 ed.5 certified
- ↳ EN 61643-11, IEC 61643-11 compliance



V: High-energy varistor  
 Ft: Thermal fuse  
 C: Remote signal contact  
 t\*: Thermal disconnection system  
 MI: Disconnection indicator

Electrical Characteristics	
SPD type	2
Network	230 V single-phase
AC system	IT
Max. AC operating voltage	Uc 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	Ipe < 1 mA
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 50 kA
Total Maximum discharge current max. total withstand @ 8/20 µs	Imax Total 100 kA
Protection mode(s)	L/PE and N/PE
Protection level N/PE @ In (8/20µs)	Up N/PE 2 kV
Protection level L/PE @ In (8/20µs)	Up L/PE 2 kV
Protection level N/PE at 5 kA @ 5 kA (8/20µs)	Up-5kA 1.5 kV
Residual voltage L/PE at 5 kA @ 5 kA (8/20µs)	Up-5kA 1.5 kV
Admissible short-circuit current	Iscrc 50 000 A
Mechanical Characteristics	
Technology	MOV
SPD configuration	Single phase
Connection to Network	By screw terminals: 2.5-25mm <sup>2</sup>
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 by pole - Red/Green
Spare module(s)	MDAC50-440
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 - 2TE (EN43880)
Weight	0.226 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	ÖVE / UL
Part number	
821110422	

