



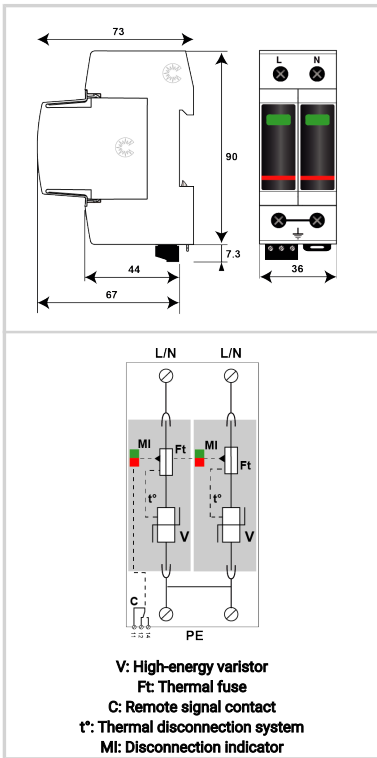
# CITEL

## Type 2 AC surge protector - Single-phase

### DAC50S-20-440



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



#### Electrical Characteristics

SPD type	IEC	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	Iscrr	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 - 2 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
Certification		ÖVE / UL

#### Part number

**821110422**

