



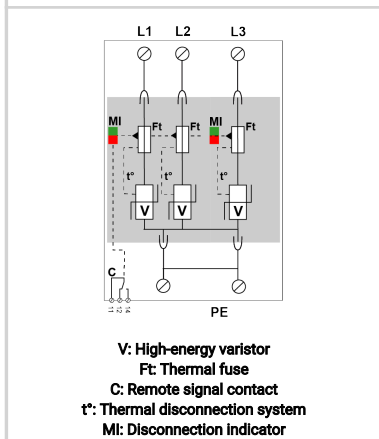
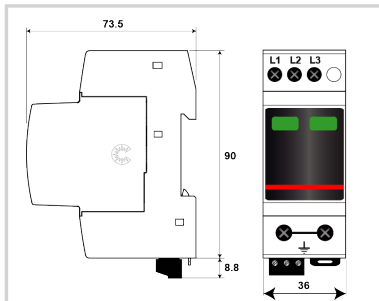
# CITEL

## Type 2 AC surge protector - 3-phase

### DAC40CS-30-440



- › Compact, multipole type 2
- › Conductivity per pole: In= 20 kA; Imax= 40 kA
- › Protection modes - common and/or differential
- › Safe disconnect device
- › Transverse / longitudinal voltage protection
- › Energetically coordinated
- › Pluggable protection module
- › Remote signalling
- › Conforms to IEC 61643-11 / EN 61643-11 and UL1449 ed.5



#### Electrical Characteristics

SPD type	IEC	2
Network		230/400 V
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	40 kA
Total Maximum discharge current max. total withstand @ 8/20 µs	Imax Total	160 kA
Protection mode(s)		L/PE and N/PE
Protection level N/PE @ In (8/20µs)	Up N/PE	1.8 kV
Protection level L/PE @ In (8/20µs)	Up L/PE	1.8 kV
Admissible short-circuit current	Iscrc	10 000 A

#### Mechanical Characteristics

Technology		MOV
SPD configuration		3-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	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from AC network
Disconnection indicator		2 mechanical indicators - Red/Green
Spare module(s)		MDAC40C-30-440
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		0.275 kg

#### Disconnectors

Thermal disconnecter		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
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#### Part number

821510423
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