



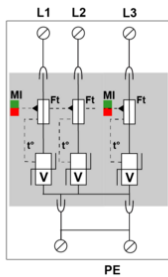
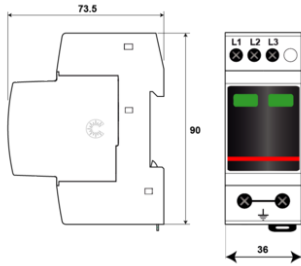
Type 2 AC surge protector - 3-phase

CITEL

DAC40C-30-440



- Compact 3-phase Type 2 surge protector
- In : 20 kA
- I_{max} : 40 kA
- Common mode/differential
- Pluggable module
- Remote signaling option
- EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



V: High-energy varistor
 Ft: Thermal fuse
 t*: Thermal disconnection system
 MI: Disconnection indicator

Electrical Characteristics

SPD type	IEC	2
Network		230/400 V
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 μs impulses	I _n	20 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I _{max}	40 kA
Total Maximum discharge current max. total withstand @ 8/20 μs	I _{max} Total	160 kA
Protection mode(s)		L/PE and N/PE
Protection level N/PE @ I _n (8/20 μs)	U _p N/PE	1.8 kV
Protection level L/PE @ I _n (8/20 μs)	U _p L/PE	1.8 kV
Admissible short-circuit current	I _{sccr}	10 000 A

Mechanical Characteristics

Technology		MOV
SPD configuration		3-phase
Connection to Network		By screw terminals: L/N = 1.5-10mm ² (16mm ² rigid) or PE = 2.5-25mm ² (35mm ² 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		2 mechanical indicators - Red/Green
Spare module(s)		MDAC40C-30-440
Remote signaling of disconnection		Option DAC40CS-30-440 : output on changeover contact
Dimensions		See diagram - 2TE (EN43880)
Weight		0.273 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
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Part number

821510413		
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