DAC50-10-275
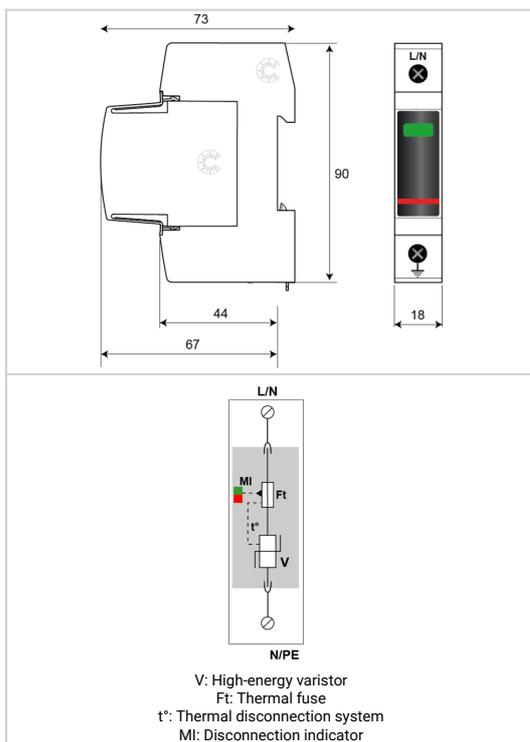
- Type 2 AC multipolar surge protector
- In: 20 kA
- Imax: 50 kA
- Pluggable module for each phase
- Remote signaling option
- EN 61643-11, IEC 61643-11 certified

Dimensions (mm): 73, 90, 44, 67, 18

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

Electrical Characteristics

SPD type	IEC	2
Network		230/400 V 3-phase
AC system		TNC
Nominal line voltage	Un	230 Vac
Max. AC operating voltage	Uc	275 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	440 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
Connection mode(s)		L/PE
Protection level @ In (8/20µs)	Up	1.25 kV
Residual voltage at 5 kA @ 5 kA (8/20µs)	Up-5kA	1 kV
Protection level L/PE @ In (8/20µs)	Up L/PE	1.25 kV
Admissible short-circuit current	Isccr	50 000 A

Mechanical Characteristics

Technology		MOV
SPD configuration		Single phase
Connection to Network		By screw terminals: 2.5-25mm² (35mm² 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		1 mechanical indicator - Red/Green
Spare module(s)		MDAC50-275
Remote signaling of disconnection		option DAC50S-10-275 : output on changeover contact
Dimensions		See diagram - 1TE (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	OVE / UL

Part number

821110211