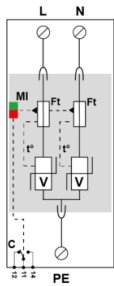
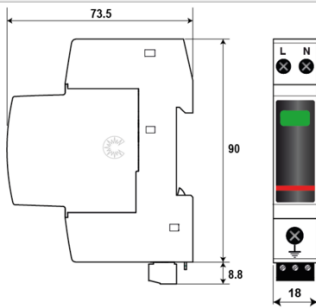




- Compact, 2-pole type 2 or 3 spd
- Conductivity per pole: $I_n = 20 \text{ kA}$; $I_{max} = 40 \text{ kA}$
- Protection modes - common and/or differential
- Safe disconnect device
- Transverse / longitudinal voltage protection
- Energetically coordinated
- Pluggable protection module
- Remote signalling
- Conforms to IEC 61643-11 / EN 61643-11
- Approved according to UL1449 ed.4



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

Electrical Characteristics

SPD type (following IEC tests)		2
Network		230 V single-phase
AC system		TN
Max. AC operating voltage L-N	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 μ s impulses)	I_n	20 kA
Max. discharge current (max. withstand @ 8/20 μ s by pole)	I_{max}	40 kA
Total Maximum discharge current (max. total withstand @ 8/20 μ s)	$I_{max \text{ Total}}$	80 kA
Protection mode(s)		L/PE and N/PE
Protection level N/PE (@ I_n 8/20 μ s)	Up N/PE	1.25 kV
Protection level L/PE (@ I_n 8/20 μ s)	Up L/PE	1.25 kV
Admissible short-circuit current	Iscsr	10 000 A

Mechanical Characteristics

Technology		MOV
SPD configuration		Single phase
Connection to Network		by screw terminals: L/N = 1.5-10mm ² (16mm ² rigid) or PE = 2.5-25mm ² (35 mm ² rigid)
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (DIN 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)		MDAC40C-20-275
Remote signaling of disconnection		Output on changeover contact
Wiring for remote signaling		1.5 mm ² max.
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions		See diagram - 1TE (EN43880)

Disconnectors

Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Fuses		50 A mini. - 125 A max. - Fuses Type gG

Standards

Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 4ed.
Certification		KEMA / EAC

Part number

821510221

