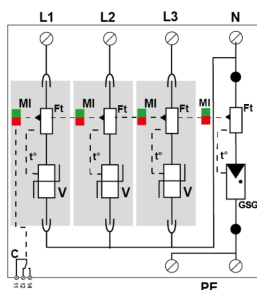
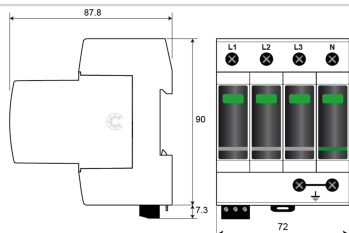




- ✦ Type 1 + 2 AC surge protector
- ✦ I_n : 20 kA
- ✦ I_{imp} : 12.5 kA
- ✦ Pluggable module for each phase
- ✦ Remote signaling
- ✦ EN 61643-11, IEC 61643-11 certified
- ✦ UL1449 ed.5 compliance



V: High-energy varistor
GSG: Specific gas tube
Ft: Thermal fuse
C: Remote signaling contact
t*: Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics

SPD type	IEC	1+2
Network		120/208 V 3-phase+N
AC system		TT-TNS
Max. AC operating voltage	Uc	150 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	180 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	230 Vac disconnection
Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection	UT	1200 V/300A/200 ms withstand
Residual Current		
Leakage current to Ground	I _{pe}	None
Follow current	I _f	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}	50 kA
Total Maximum discharge current max. total withstand @ 8/20 μ s	I _{max} Total	150 kA
Impulse current by pole max. withstand 10/350 μ s by pole	I _{imp}	12.5 kA
Impulse current N/PE max. withstand 10/350 μ s	I _{imp} N/PE	50 kA
Total lightning current max. total withstand @ 10/350 μ s	I _{total}	50 kA
Specific energy by pole max. withstand 10/350 μ s	W/R	40 kJ/ohm
Protection mode(s)		L/N and N/PE
Protection level @ I _n (8/20 μ s) and @ 6 kV (1,2/50 μ s)	Up L/N	0.9 kV
Protection level N/PE @ I _n (8/20 μ s) and @ 6 kV (1,2/50 μ s)	Up N/PE	1.5 kV
Residual voltage L/N at 5 kA @ 5 kA (8/20 μ s)	Up-5kA	0.6 kV
Protection level N/PE at 5 kA @ 5 kA (8/20 μ s)	Up-5kA	0.6 kV
Admissible short-circuit current	I _{sc}	50 000 A

Mechanical Characteristics

Technology		MOV
SPD configuration		3-phase+Neutral
Connection to Network		By screw terminals: 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	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)		MDAC1-13-150
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 - 4TE (EN43880)
Weight		0.461 kg

Disconnectors

Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		Fuse assembly: SFD1-13S-31 /or 125 A min. - 315 A max. - Fuses Type gG

Standards

Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification		KEMA

Part number

821710144