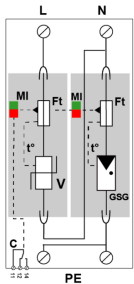
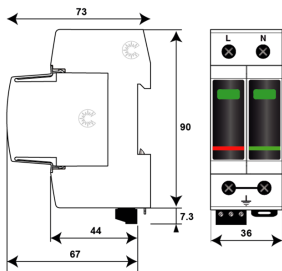




- ✦ Re-inforced Type 2 AC surge protector
- ✦ In: 40 kA
- ✦ I_{max}: 80 kA
- ✦ Pluggable module for each phase
- ✦ Remote signaling
- ✦ EN 61643-11, IEC 61643-11 certified
- ✦ UL1449 ed.5 compliance



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	2	
Network		230 V single-phase	
AC system		TT-TN	
Max. AC operating voltage	U _c	385 Vac	
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	500 Vac withstand	
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	650 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	40 kA	
Max. discharge current max. withstand @ 8/20 μs by pole	I _{max}	80 kA	
Protection mode(s)		L/N and N/PE	
Protection level @ I _n (8/20μs) and @ 6 kV (1,2/50 μs)	Up L/N	1.8 kV	
Protection level N/PE @ I _n (8/20μs) and @ 6 kV (1,2/50 μs)	Up N/PE	1.5 kV	
Admissible short-circuit current	I _{scr}	50 000 A	
Mechanical Characteristics			
Technology		MOV+GDT	
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	T _u	-40/+85°C	
Protection rating		IP20	
Failsafe mode		Disconnection from AC network	
Disconnection indicator		1 mechanical indicator by pole - Red/Green	
Spare module(s)		MDAC80-385 + MDAC80G-255	
Remote signaling of disconnection		Output on changeover contact	
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)	
Dimensions		See diagram - 2TE (EN43880)	
Weight		0.215 kg	
Disconnectors			
Thermal disconnector		Internal	
Installation ground fault breaker		Type 'S' or delayed	
Back-up protection device		Fuses Type gG - 125 A	
Standards			
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5	
Certification		KEMA	
Part number			
821210542			