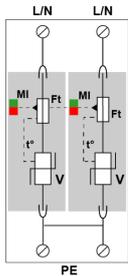




- ✦ Type 2 AC multipolar surge protector
- ✦ In: 20 kA
- ✦ I<sub>max</sub>: 50 kA
- ✦ Pluggable module for each phase
- ✦ Remote signaling option
- ✦ EN 61643-11, IEC 61643-11 certified



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

Electrical Characteristics			
SPD type	IEC	2	
Network	230 V single-phase		
AC system	TN		
Max. AC operating voltage	U <sub>c</sub>	320 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	I <sub>pe</sub>	< 1 mA	
Follow current	I <sub>f</sub>	None	
Nominal discharge current 15 x 8/20 μs impulses	I <sub>n</sub>	20 kA	
Max. discharge current max. withstand @ 8/20 μs by pole	I <sub>max</sub>	50 kA	
Total Maximum discharge current max. total withstand @ 8/20 μs	I <sub>max</sub> Total	100 kA	
Protection mode(s)	L/N and N/PE		
Protection level N/PE @ I <sub>n</sub> (8/20μs)	Up N/PE	1.5 kV	
Protection level L/PE @ I <sub>n</sub> (8/20μs)	Up L/PE	1.5 kV	
Protection level N/PE at 5 kA @ 5 kA (8/20μs)	Up-5kA	1.2 kV	
Residual voltage L/PE at 5 kA @ 5 kA (8/20μs)	Up-5kA	1.2 kV	
Admissible short-circuit current	I <sub>scr</sub>	50 000 A	
Mechanical Characteristics			
Technology	MOV		
SPD configuration	Single phase		
Connection to Network	By screw terminals: 2.5-25mm <sup>2</sup> (35mm <sup>2</sup> rigid)		
Format	Plug-in modular box		
Mounting	Symmetrical rail 35 mm (EN 60715)		
Housing material	Thermoplastic UL94 V-0		
Operating temperature	T <sub>u</sub>	-40/+85°C	
Protection rating	IP20		
Failsafe mode	Disconnection from AC network		
Disconnection indicator	1 mechanical indicator by pole - Red/Green		
Spare module(s)	MDAC50-320		
Remote signaling of disconnection	option DAC50S-20-320 : output on changeover contact		
Dimensions	See diagram - 2TE (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			
821110312			