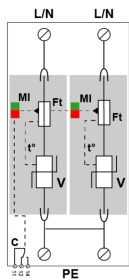
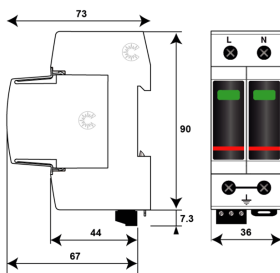


DAC50S-20-320



- ✦ Type 2 AC surge protector
- ✦ In: 20 kA
- ✦ I_{max}: 50 kA
- ✦ Pluggable module for each phase
- ✦ Remote signaling
- ✦ UL1449 ed.5 certified
- ✦ EN 61643-11, IEC 61643-11 compliance



V: High-energy varistor
 Ft: Thermal fuse
 C: Remote signal contact
 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 _c	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 _{pe}	< 1 mA	
Follow current	I _f	None	
Nominal discharge current 15 x 8/20 μs impulses	I _n	20 kA	
Max. discharge current max. withstand @ 8/20 μs by pole	I _{max}	50 kA	
Total Maximum discharge current max. total withstand @ 8/20 μs	I _{max} Total	100 kA	
Protection mode(s)		L/PE and N/PE	
Protection level N/PE @ In (8/20μs)	Up N/PE	1.5 kV	
Protection level L/PE @ In (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 _{scr}	50 000 A	
Mechanical Characteristics			
Technology		MOV	
SPD configuration		Single phase	
Connection to Network		By screw terminals: 2.5-25mm ²	
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)		MDAC50-320	
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 - 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 / UL1449 ed.5	
Certification		ÖVE / UL	
Part number			
821110322			