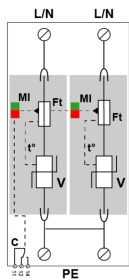
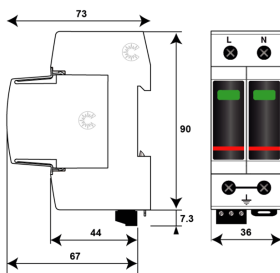


DAC50S-20-440



- ✦ 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	IT		
Max. AC operating voltage	U _c	440 Vac	
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	580 Vac withstand	
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	770 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 @ I _n (8/20μs)	Up N/PE	2 kV	
Protection level L/PE @ I _n (8/20μs)	Up L/PE	2 kV	
Protection level N/PE at 5 kA @ 5 kA (8/20μs)	Up-5kA	1.5 kV	
Residual voltage L/PE at 5 kA @ 5 kA (8/20μs)	Up-5kA	1.5 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)	MDAC50-440		
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)		
Weight	0.226 kg		
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			
821110422			