



Type 2 AC surge protector - Single-phase

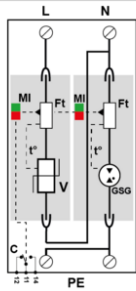
CITEL

DAC50S-11-440



Abb. ähnlich

- 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
 GSG: Specific Gas Tube
 Ft: Thermal fuse
 t*: Thermal disconnection system
 MI: Disconnection indicator

Electrical Characteristics

SPD type	2	
Network	230 V single-phase	
AC system	TT-TN	
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
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 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}	50 kA
Protection mode(s)	L/N and N/PE	
Residual voltage at 5 kA @ 5 kA (8/20 μs)	U _{p-5kA}	0.6 kV
Protection level N/PE @ I _n (8/20 μs)	U _{p N/PE}	1.5 kV
Protection level @ I _n (8/20 μs) and @ 6 kV (1,2/50 μs)	U _{p L/N}	2 kV
Residual voltage L/N at 5 kA @ 5 kA (8/20 μs)	U _{p-5kA}	1.5 kV
Protection level N/PE at 5 kA @ 5 kA (8/20 μs)	U _{p-5kA}	1.5 kV
Admissible short-circuit current	I _{sc cr}	50 000 A

Mechanical Characteristics

Technology	MOV+GDT	
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+MDAC50G-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	

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	UL	

Part number

821110442

