



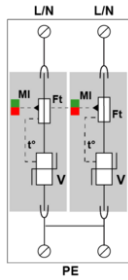
Type 2 AC surge protector - Single-phase

CITEL

DAC50-20-440



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



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

Electrical Characteristics		
SPD type		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	U _T	580 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	U _T	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 (8/20 μs)	U _p N/PE	2 kV
Protection level L/PE @ I _n (8/20 μs)	U _p L/PE	2 kV
Protection level N/PE at 5 kA @ 5 kA (8/20 μs)	U _p -5kA	1.5 kV
Residual voltage L/PE at 5 kA @ 5 kA (8/20 μs)	U _p -5kA	1.5 kV
Admissible short-circuit current	I _{sc}	50 000 A
Mechanical Characteristics		
Technology		MOV
SPD configuration		Single phase
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)		MDAC50-440
Remote signaling of disconnection		option DAC50S-20-440 : output on changeover contact
Dimensions		See diagram - 2TE (EN43880)
Disconnectors		
Thermal disconnecter		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		
821110412		

