



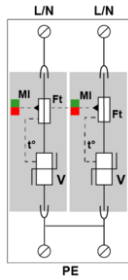
Type 2 AC surge protector - Single-phase

CITEL

DAC50-20-530



- ↳ 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	480/830 Vac 3-phase
AC system	TN
Max. AC operating voltage	U _c 530 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT 700 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT 920 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)	U _p N/PE 2.4 kV
Protection level L/PE @ I _n (8/20μs)	U _p L/PE 2.4 kV
Protection level N/PE at 5 kA @ 5 kA (8/20μs)	U _p -5kA 2 kV
Residual voltage L/PE at 5 kA @ 5 kA (8/20μs)	U _p -5kA 2 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)	MDAC50-530
Remote signaling of disconnection	option DAC50S-20-530 : 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	
821110512	

