



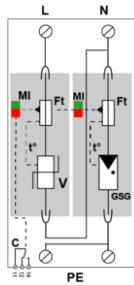
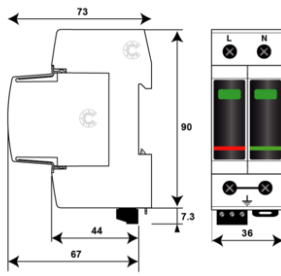
Type 2 AC surge protector - Single-phase

CITEL

DAC50S-11-150



- 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
 C: Remote signaling contact
 t*: Thermal disconnection system
 MI: Disconnection indicator

Electrical Characteristics

SPD type	2
Network	120 V single-phase
AC system	TT-TN
Max. AC operating voltage	U _c 150 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT 180 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT 230 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
Protection level @ I _n (8/20μs) and @ 6 kV (1,2/50 μs)	Up L/N 0.9 kV
Protection level N/PE @ I _n (8/20μs) and @ 6 kV (1,2/50 μs)	Up N/PE 1.5 kV
Residual voltage L/N at 5 kA @ 5 kA (8/20μs)	Up-5kA 0.6 kV
Protection level N/PE at 5 kA @ 5 kA (8/20μs)	Up-5kA 0.6 kV
Admissible short-circuit current	I _{sc} 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 - 2TE (EN43880)
Weight	0.182 kg

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	OVE / UL

Part number
821110142

