



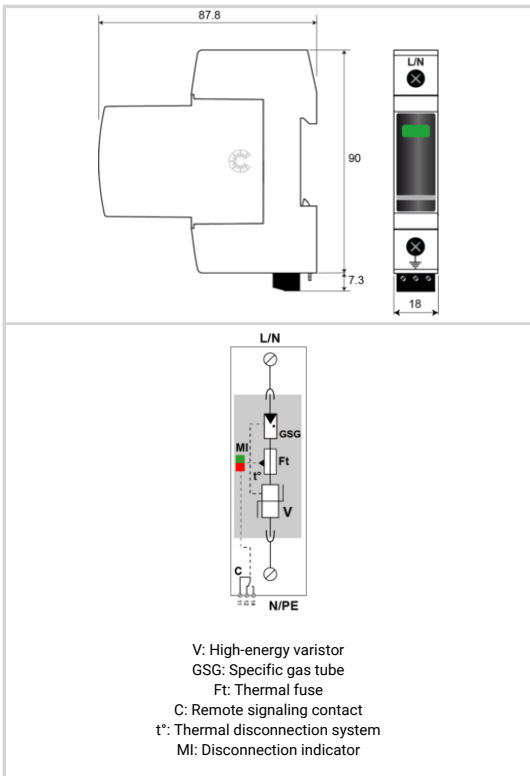
# CITEL

## Type 1+2 AC surge protector - 1-pole

### DAC1-13VGS-10-150



- ↳ Type 1 + 2 + 3 AC surge protector
- ↳ VG Technology
- ↳ In : 20 kA
- ↳ Iimp : 12,5 kA on 10/350µs impulse
- ↳ No leakage current
- ↳ Pluggable module for each phase
- ↳ Remote signaling
- ↳ Optimized to TOV
- ↳ EN 61643-11, IEC 61643-11 and UL1449 ed.5 compliance
- ↳ Certified EN 61643-11 and IEC 61643-11



Electrical Characteristics	
SPD type	1+2+3
Max. AC operating voltage	Uc 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 withstand
Residual Current	Ipe None
Leakage current to Ground	Ile None
Follow current	If None
Nominal discharge current 15 x 8/20 µs impulses	In 20 kA
Max. discharge current max. withstand @ 8/20 µs by pole	I <sub>max</sub> 50 kA
Impulse current by pole max. withstand 10/350µs by pole	I <sub>imp</sub> 12.5 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs	Uoc 6 kV
Specific energy by pole max. withstand 10/350 µs	W/R 40 kJ/ohm
Protection level @ In (8/20µs) and @ 6 kV (1,2/50 µs)	Up 1.5 kV
Residual voltage at 5 kA @ 5 kA (8/20µs)	Up-5kA 0.4 kV
Admissible short-circuit current	Iscrc 50 000 A
Mechanical Characteristics	
Technology	VG Technology (MOV+GSG)
SPD configuration	Single phase
Connection to Network	By screw terminals: 2.5-25mm <sup>2</sup> (35mm <sup>2</sup> rigid)
Format	Plug-in modular box
Mounting	Symmetrical rail 35 mm (EN 60715)
Housing material	Thermoplastic UL94 V-0
Operating temperature	Tu -40/+85°C
Protection rating	IP20
Failsafe mode	Disconnection from AC network
Disconnection indicator	1 mechanical indicator - Red/Green
Spare module(s)	MDAC1-13VG-150
Remote signaling of disconnection	output on changeover contact
Wiring for remote signaling	1.5 mm <sup>2</sup> max.
Max. Voltage/Current for remote signaling	250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions	See diagram - 1TE (EN43880)
Weight	0.146 kg
Disconnectors	
Thermal disconnector	Internal
Installation ground fault breaker	Type 'S' or delayed
Back-up protection device	315 A max. - Fuses Type gG / or SFD1-25S
Standards	
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification	KEMA
Part number	
821730121	

