



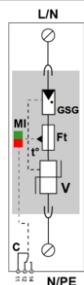
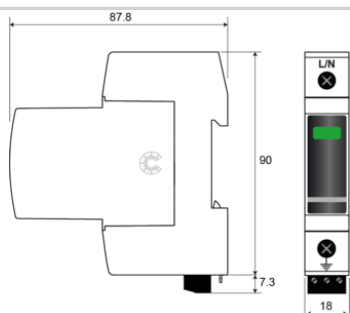
CITEL

Type 1+2 AC surge protector - 1-pole

DAC1-13VGS-10-150



- Type 1 + 2 + 3 AC surge protector
- VG Technology
- I_n : 20 kA
- I_{imp} : 12,5 kA on 10/350 μ s 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



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	IEC	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 Leakage current to Ground	Ipe	None
Follow current	If	None
Nominal discharge current 15 x 8/20 μ s impulses	I_n	20 kA
Max. discharge current max. withstand @ 8/20 μ s by pole	I_{max}	50 kA
Impulse current by pole max. withstand 10/350 μ s by pole	I_{imp}	12.5 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50 μ s - 8/20 μ s	Uoc	6 kV
Specific energy by pole max. withstand 10/350 μ s	W/R	40 kJ/ohm
Protection level @ I_n (8/20 μ s) and @ 6 kV (1.2/50 μ s)	Up	1.5 kV
Residual voltage at 5 kA @ 5 kA (8/20 μ s)	Up-5kA	0.4 kV
Admissible short-circuit current	Iscrr	50 000 A
Mechanical Characteristics		
Technology		VG Technology (MOV+GSG)
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	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 ² 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		

