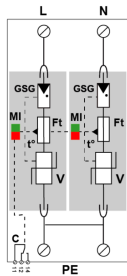
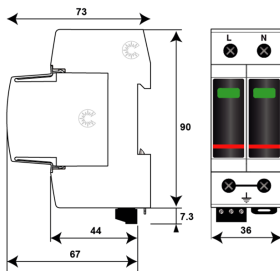


DAC50VGS-20-150



- ✦ Type 2 + 3 AC surge protector
- ✦ VG Technology
- ✦ In : 20 kA
- ✦ No leakage current
- ✦ Pluggable module for each phase
- ✦ Remote signaling
- ✦ Optimized to TOV
- ✦ EN 61643-11, IEC 61643-11 and UL1449 ed.5 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	IEC		2+3
Network			120 V single-phase
AC system			TN
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			
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	Imax		50 kA
Total Maximum discharge current max. total withstand @ 8/20 µs	Imax Total		100 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs	Uoc		6 kV
Connection mode(s)			L/PE and N/PE
Protection level N/PE @ In (8/20µs)	Up N/PE	1.5 kV	
Protection level L/PE @ In (8/20µs)	Up L/PE	1.5 kV	
Protection level N/PE at 5 kA @ 5 kA (8/20µs)	Up-5kA	0.4 kV	
Residual voltage L/PE 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 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 by pole - Red/Green
Spare module(s)			MDAC50VG-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 - 2TE (EN43880)
Weight			0.190 kg
Disconnectors			
Thermal disconnector			Internal
Installation ground fault breaker			Type 'S' or delayed
Back-up protection device			50 A min. - 160 A max. - Fuses Type gG
Standards			
Standards compliance			IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification			KEMA
Part number			
821130122			