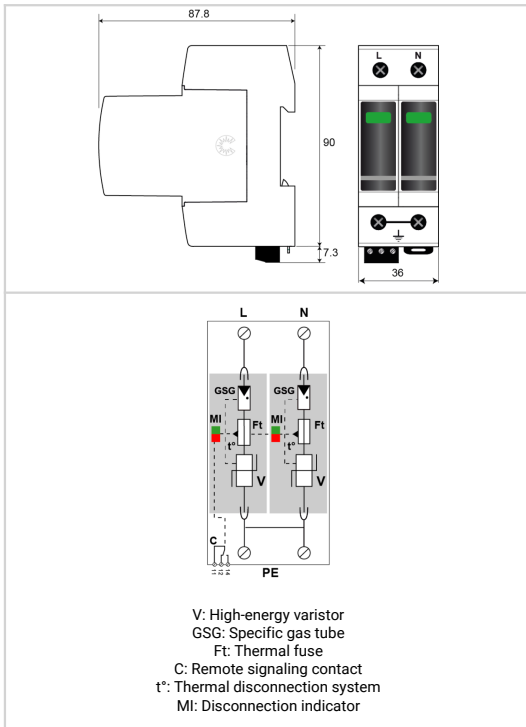


DAC1-13VGS-20-320



- ✦ 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 NF EN 61643-11 and IEC 61643-11



Electrical Characteristics			
SPD type	IEC		1+2+3
Network			230/400 V
AC system			TN
Max. AC operating voltage	Uc		320 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT		335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT		440 Vac withstand
Residual Current Leakage current to Ground	Ipe		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 _{max}		50 kA
Total Maximum discharge current max. total withstand @ 8/20 µs	I _{max} Total		100 kA
Impulse current by pole max. withstand 10/350µs by pole	I _{imp}		12.5 kA
Impulse current N/PE max. withstand 10/350µs	I _{imp} N/PE		50 kA
Total lightning current max. total withstand @ 10/350µs	I _{total}		25 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 mode(s)			L/PE and N/PE
Protection level L/PE @ In (8/20µs) and @ 6 kV (1,2/50 µs)	L/PE	1.5 kV	
Protection level N/PE @ In (8/20µs) and @ 6 kV (1,2/50 µs)	Up N/PE	1.5 kV	
Protection level N/PE at 5 kA @ 5 kA (8/20µs)	Up-5kA	0.9 kV	
Residual voltage L/PE at 5 kA @ 5 kA (8/20µs)	Up-5kA	0.9 kV	
Admissible short-circuit current	I _{sc}		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)			MDAC1-13VG-320
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)
Disconnectors			
Thermal disconnector			Internal
Installation ground fault breaker			Type 'S' or delayed
Back-up protection device			Fuse assembly: SFD1-13S-20 / or 125 A min. - 315 A max. - Fuses Type gG
Standards			
Standards compliance			IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification			KEMA
Part number			

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