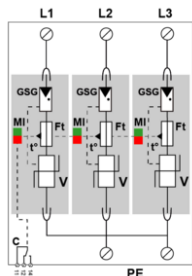
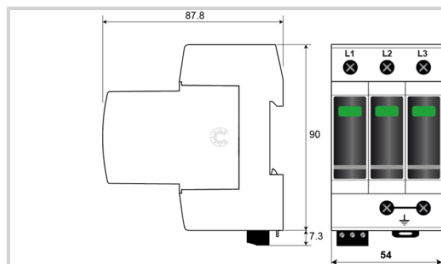


DAC1-13VGS-30-275



- Type 1 + 2 + 3 AC surge protector
- VG Technology
- I_n : 20 kA
- I_{imp} : 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 certified
- 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	1+2+3
Network	230/400 V 3-phase
AC system	TNC
Max. AC operating voltage	Uc 275 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 770 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 150 kA
Impulse current by pole max. withstand 10/350µs by pole	I _{imp} 12.5 kA
Total lightning current max. total withstand @ 10/350µs	I _{total} 37.5 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 mode(s)	L/PE
Protection level L/PE @ In (8/20µs) and @ 6 kV (1.2/50 µs)	L/PE 1.5 kV
Residual voltage L/PE at 5 kA @ 5 kA (8/20µs)	Up-5kA 0.7 kV
Admissible short-circuit current	I _{sc} 50 000 A

Mechanical Characteristics

Technology	VG Technology (MOV+GSG)
SPD configuration	3-phase
Connection to Network	By screw terminals: 2.5-25mm ² (35mm ² rigid)
Format	Plug-in modular box
Pluggable	Yes
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-275
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 - 3 TE (EN43880)
Weight	0.506 kg

Disconnectors

Thermal disconnector	Internal
Installation ground fault breaker	Type 'S' or delayed
Fuses	Fuse assembly: SFD1-13S-30 / or 125 A min. - 315 A max. - Fuses Type gg

Standards

Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification	KEMA / EAC

Part number

821730223