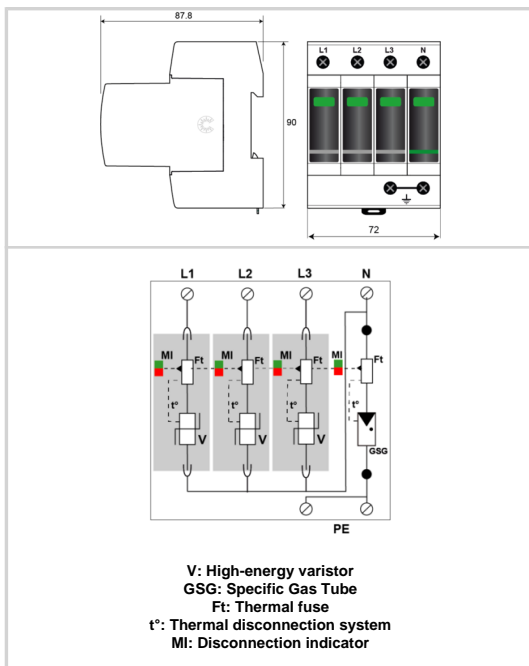


DAC1-13-31-275



- Type 1 + 2 AC multipolar surge protector
- In: 20 kA
- Iimp: 12.5 kA
- Pluggable module for each phase
- Remote signaling (option)
- EN 61643-11, IEC 61643-11 certified
- UL1449 ed.4 compliance



Electrical Characteristics	
SPD type (following IEC tests)	1+2
Network	230/400 V 3-phase+N
AC system	TT-TNS
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 440 Vac disconnection
Temporary Over Voltage N/PE (TOV HT) (Without disconnection or with safety disconnection)	UT 1200 V/300A/200 ms 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 <sub>max</sub> 50 kA
Total Maximum discharge current (max. total withstand @ 8/20 µs)	I <sub>max</sub> Total 150 kA
Impulse current by pole (max. withstand 10/350µs by pole)	I <sub>imp</sub> 12.5 kA
Total lightning current(max. total withstand @ 10/350µs)	I <sub>total</sub> 50 kA
Specific energy by pole (max. withstand 10/350 µs)	W/R 40 kJ/ohm
Protection mode(s)	L/N and N/PE
Protection level L/N (@ In (8/20µs))	Up L/N 1.3 kV
Residual voltage L/N at 5 kA (@ 5 kA (8/20µs))	Up-5kA 1.2 kV
Protection level N/PE at 5 kA(@ 5 kA (8/20µs))	Up-5kA 1.2 kV
Admissible short-circuit current	I <sub>sc</sub> 50 000 A
Mechanical Characteristics	
Technology	VG Technology (MOV+GSG)
SPD configuration	3-phase+Neutral
Connection to Network	By screw terminals: 2.5-25 mm <sup>2</sup> (35 mm <sup>2</sup> 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)	MDAC1-13-275
Remote signaling of disconnection	option DAC1-13S-31-275 : output on changeover contact
Dimensions	See diagram - 4TE (EN43880)
Weight	0.570 kg
Disconnectors	
Thermal disconnector	Internal
Installation ground fault breaker	Type 'S' or delayed
Fuses	Fuse assembly: SFD1-13S-31 /or 125 A min. - 315 A max. - Fuses Type gG
Standards	
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.4
Certification	KEMA / EAC
Part number	
821710234	

