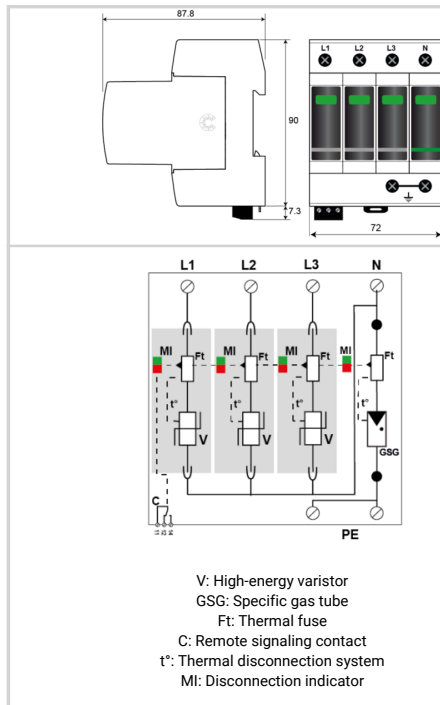


DAC1-13S-31-275



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



Electrical Characteristics

SPD type		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 μ s impulses)	In	20 kA
Max. discharge current (max. withstand @ 8/20 μ s by pole)	Imax	50 kA
Total Maximum discharge current (max. total withstand @ 8/20 μ s)	Imax Total	150 kA
Impulse current by pole (max. withstand 10/350 μ s by pole)	Iimp	12.5 kA
Total lightning current(max. total withstand @ 10/350 μ s)	Itotal	50 kA
Specific energy by pole (max. withstand 10/350 μ s)	W/R	40 kJ/ohm
Protection mode(s)		L/N and N/PE
Protection level L/N (@ In (8/20 μ s))	Up L/N	1.3 kV
Residual voltage L/N at 5 kA (@ 5 kA (8/20 μ s))	Up-5kA	1.2 kV
Protection level N/PE at 5 kA (@ 5 kA (8/20 μ s))	Up-5kA	1.2 kV
Admissible short-circuit current	Isc cr	50 000 A

Mechanical Characteristics

Technology		MOV
SPD configuration		3-phase+Neutral
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)		MDAC1-13-275
Remote signaling of disconnection		Output on changeover contact
Wiring for remote signaling		max. 1.5 mm ² single-/multi-wire
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions		See diagram - 4TE (EN43880)

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
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Type 1+2 AC surge protector - 3-phase+N

AC POWER

DAC1-13S-31-275

Certification	KEMA / EAC
Part number	
821710244	

