



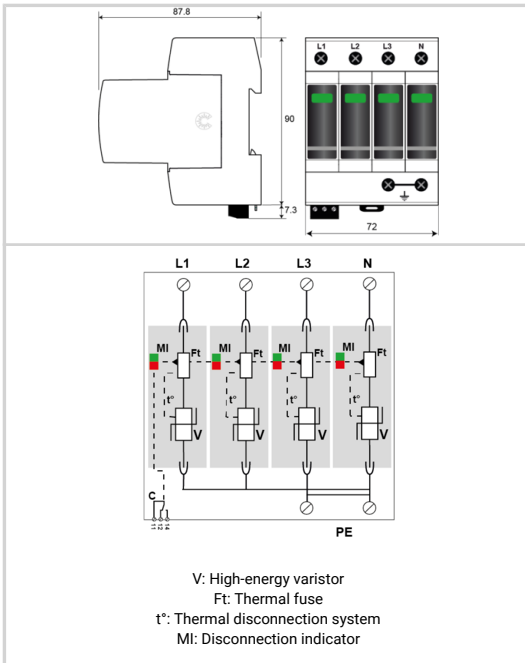
Type 1+2 AC surge protector - 3-phase+N

CITEL

DAC1-13S-40-320



- Type 1 + 2 AC surge protector
- I_n : 20 kA
- I_{imp} : 12.5 kA
- Pluggable module for each phase
- Remote signaling
- EN 61643-11, IEC 61643-11 certified
- UL1449 ed.5 compliance



Electrical Characteristics	
SPD type	1+2
Network	230/400 V 3-phase+N
AC system	TNS
Max. AC operating voltage	U_c 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 disconnection
Residual Current Leakage current to Ground	I_{pe} < 1 mA
Follow current	I_f None
Nominal discharge current 15 x 8/20 μ s impulses	I_n 20 kA
Max. discharge current max. withstand @ 8/20 μ s by pole	I_{max} 50 kA
Total Maximum discharge current max. total withstand @ 8/20 μ s	I_{max} Total 200 kA
Impulse current by pole max. withstand 10/350 μ s by pole	I_{imp} 12.5 kA
Total lightning current max. total withstand @ 10/350 μ s	I_{total} 50 kA
Specific energy by pole max. withstand 10/350 μ s	W/R 40 kJ/ohm
Protection mode(s)	L/PE and N/PE
Protection level N/PE @ I_n (8/20 μ s)	U_p N/PE 1.6 kV
Protection level L/PE @ I_n (8/20 μ s)	U_p L/PE 1.6 kV
Protection level N/PE at 5 kA @ 5 kA (8/20 μ s)	U_p -5kA 1.2 kV
Residual voltage L/PE at 5 kA @ 5 kA (8/20 μ s)	U_p -5kA 1.2 kV
Admissible short-circuit current	I_{sc} 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
Mounting	Symmetrical rail 35 mm (EN 60715)
Housing material	Thermoplastic UL94 V-0
Operating temperature	T_u -40/+85°C
Protection rating	IP20
Failsafe mode	Disconnection from AC network
Disconnection indicator	1 mechanical indicator by pole - Red/Green
Spare module(s)	MDAC1-13-320
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 - 4TE (EN43880)
Disconnectors	
Thermal disconnector	Internal
Installation ground fault breaker	Type 'S' or delayed
Back-up protection device	315 A max. - Fuses Type gG / or SFD1-13S
Standards	
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification	KEMA
Part number	
821710324	

