



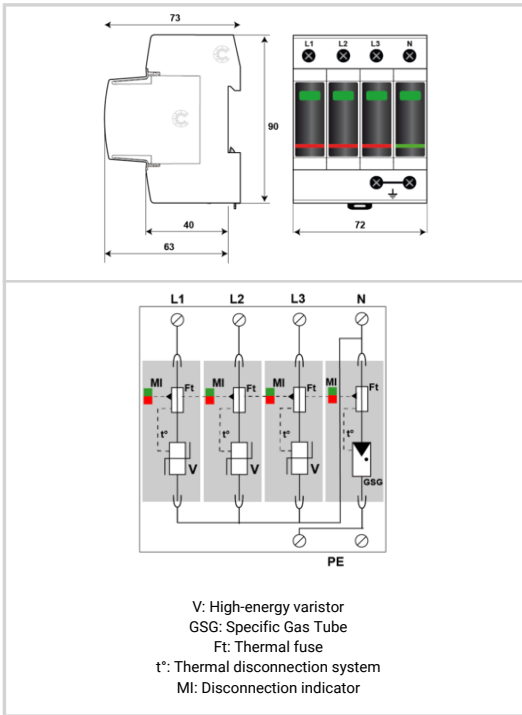
Type 2 AC surge protector - 3-phase+N

CITEL

DAC50-31-150



- ▶ Type 2 AC surge protector
- ▶ In: 20 kA
- ▶ I_{max}: 50 kA
- ▶ Pluggable module for each phase
- ▶ Remote signaling option
- ▶ EN 61643-11, IEC 61643-11 and UL1449 ed.5 certified



Electrical Characteristics		
SPD type	IEC	2
Network		120/208 V 3-phase+N
AC system		TT-TNS
Max. AC operating voltage	U _c	150 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	180 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	230 Vac disconnection
Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection	UT	1200 V/300A/200 ms withstand
Residual Current	I _{pe}	None
Leakage current to Ground		
Follow current	I _f	None
Nominal discharge current 15 x 8/20 μs impulses	I _n	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}	50 kA
Protection mode(s)		L/N and N/PE
Protection level @ I _n (8/20μs) and @ 6 kV (1,2/50 μs)	U _{p L/N}	0.9 kV
Protection level N/PE @ I _n (8/20μs) and @ 6 kV (1,2/50 μs)	U _{p N/PE}	1.5 kV
Residual voltage L/N at 5 kA @ 5 kA (8/20μs)	U _{p-5kA}	0.6 kV
Protection level N/PE at 5 kA @ 5 kA (8/20μs)	U _{p-5kA}	0.6 kV
Admissible short-circuit current	I _{sc cr}	50 000 A
Mechanical Characteristics		
Technology		MOV+GDT
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)		MDAC50-150+MDAC50G-150
Remote signaling of disconnection		option DAC50S-31-150 : output on changeover contact
Dimensions		See diagram - 4TE (EN43880)
Weight		0.327 kg
Disconnectors		
Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		50 A min. - 125 A max. - Fuses Type gG
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification		ÖVE / UL
Part number		
821110134		

