



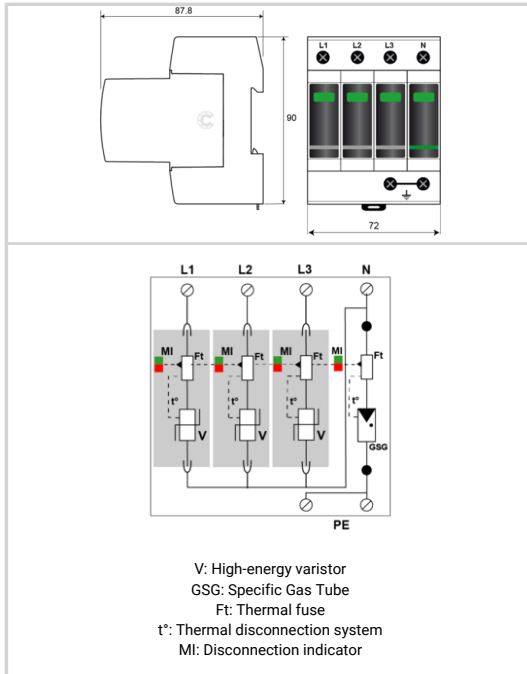
## Type 1+2 AC surge protector - 3-phase+N

# CITEL

## DAC1-13-31-150



- 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.5 compliance



Electrical Characteristics			
SPD type	IEC	1+2	
Network		120/208 V 3-phase+N	
AC system		TT-TNS	
Max. AC operating voltage	Uc	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	Ipe	None	
Leakage current to Ground			
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	Imax	50 kA	
Total Maximum discharge current max. total withstand @ 8/20 μs	Imax Total	150 kA	
Impulse current by pole max. withstand 10/350 μs by pole	Iimp	12.5 kA	
Total lightning current max. total withstand @ 10/350 μs	Itotal	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 (8/20 μs)	Up L/N	0.9 kV	
Protection level N/PE @ In (8/20 μs)	Up N/PE	1.5 kV	
Residual voltage L/N at 5 kA @ 5 kA (8/20 μs)	Up-5kA	0.6 kV	
Protection level N/PE at 5 kA @ 5 kA (8/20 μs)	Up-5kA	0.6 kV	
Admissible short-circuit current	Iscrr	50 000 A	
Mechanical Characteristics			
Technology		VG Technology (MOV+GSG)	
SPD configuration		3-phase+Neutral	
Connection to Network		By screw terminals: 2.5-25mm <sup>2</sup> (35mm <sup>2</sup> rigid)	
Format		Plug-in modular box	
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)		MDAC1-13-150	
Remote signaling of disconnection		option DAC1-13S-31-150 : output on changeover contact	
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			
821710134			

