



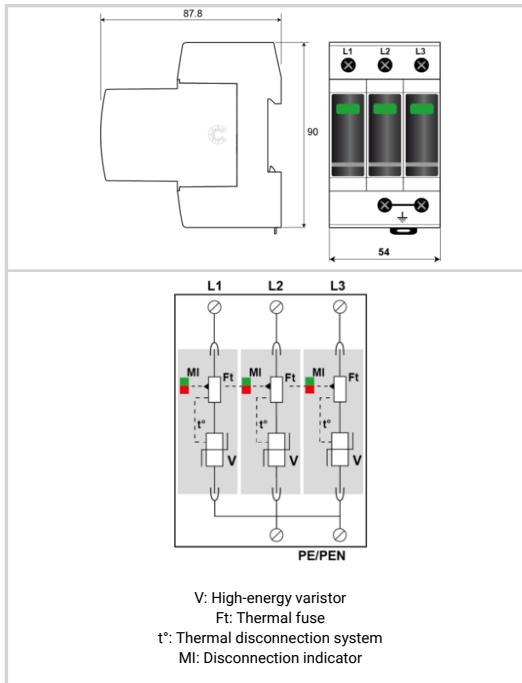
## Type 1+2 AC surge protector 3-phase

# CITEL

## DAC1-13-30-150



- 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
AC system		TNC
Max. AC operating voltage	Uc	150 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	UT	180 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	UT	230 Vac disconnection
Residual Current <i>Leakage current to Ground</i>	Ipe	< 1 mA
Follow current	If	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	In	20 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I <sub>max</sub>	50 kA
Impulse current by pole <i>max. withstand 10/350 μs by pole</i>	I <sub>imp</sub>	12.5 kA
Total lightning current <i>max. total withstand @ 10/350 μs</i>	I <sub>total</sub>	37.5 kA
Specific energy by pole <i>max. withstand 10/350 μs</i>	W/R	40 kJ/ohm
Protection level L/PE <i>@ In (8/20 μs) and @ 6 kV (1,2/50 μs)</i>	L/PE	1.2 kV
Residual voltage L/PE at 5 kA <i>@ 5 kA (8/20 μs)</i>	Up-5kA	0.6 kV
Admissible short-circuit current	I <sub>sc</sub>	50 000 A
Mechanical Characteristics		
Technology		VG Technology (MOV+GSG)
SPD configuration		3-phase
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-30-150 : output on changeover contact
Dimensions		See diagram - 3 TE (EN43880)
Weight		0.408 kg
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		
821710113		

