



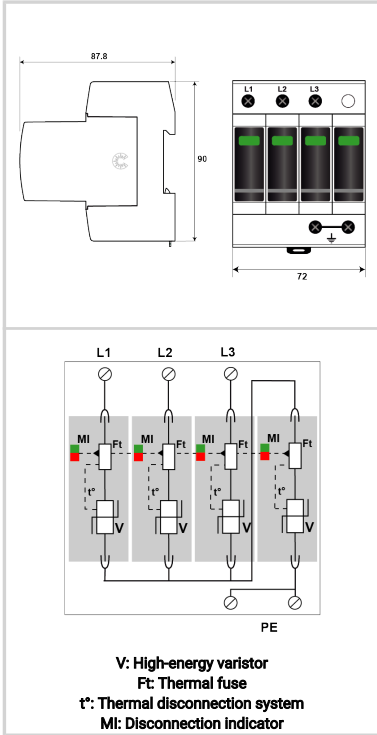
CITEL

Type 1+2 3-phase AC surge protector for PV inverter

DAC1-13-31Y-880



- › Type 1 + 2 3-Phase AC surge protector
- › up to 800 Vac voltage network
- › Iimp: 12.5 kA
- › Pluggable module
- › Remote signaling (option)
- › EN 61643-11, IEC 61643-11 compliance



Electrical Characteristics		
SPD type	IEC	1+2
Network		Equal or less than 800 Vac
AC system		TNC-IT
Max. AC operating voltage	Uc	880 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	1160 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	1385 Vac disconnection
Residual Current Leakage current to Ground	Ipe	< 1 mA
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	I _{max}	50 kA
Impulse current by pole max. withstand 10/350 μ s by pole	I _{imp}	12.5 kA
Impulse current N/PE max. withstand 10/350 μ s	I _{imp N /PE}	12.5 kA
Total lightning current max. total withstand @ 10/350 μ s	I _{total}	12,5 kA
Specific energy by pole max. withstand 10/350 μ s	W/R	40 kJ/ohm
Protection level @ I _n (8/20 μ s)	Up	3.4 kV
Protection level @ I _n (8/20 μ s)	Up L/L	3.4kV
Protection level L/PE @ I _n (8/20 μ s)	Up L/PE	3.4 kV
Admissible short-circuit current	I _{sc}	50 000 A
Mechanical Characteristics		
SPD configuration		3-phase
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	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)		MDAC1-13-440
Remote signaling of disconnection		option DAC1-13S-31Y-800 : output on changeover contact
Dimensions		See diagram - 4TE (EN43880)
Weight		0.652 kg
Disconnectors		
Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		Fuses Type gG 315 A
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Part number		
821750534		

