



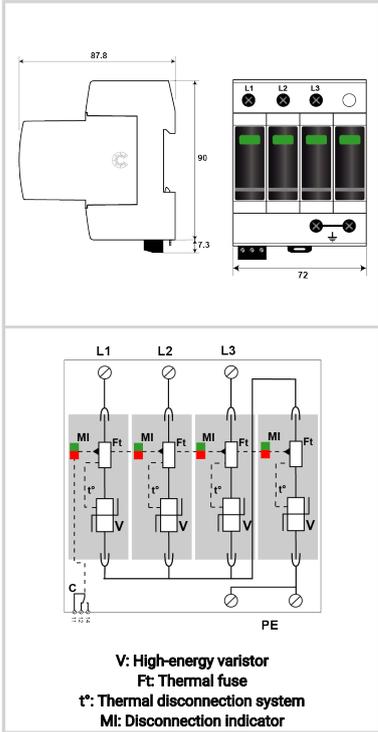
# Type 1+2 3-phase AC surge protector for PV inverter

# CITEL

## DAC1-13S-31Y-880



- Type 1 + 2 3-Phase AC surge protector
- up to 800 Vac voltage network
- PV inverter application: Max DC voltage L/PE= 1200 Vdc
- Iimp: 12.5 kA
- Pluggable module
- Remote signaling
- 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 μs impulses	In	20 kA
Max. discharge current max. withstand @ 8/20 μs by pole	Imax	50 kA
Impulse current by pole max. withstand 10/350μs by pole	Iimp	12.5 kA
Impulse current N/PE max. withstand 10/350μs	Iimp N /PE	12.5 kA
Specific energy by pole max. withstand 10/350 μs	W/R	40 kJ/ohm
Protection level @ In (8/20μs)	Up	3.4 kV
Protection level L/PE @ In (8/20μs)	Up L/PE	3.4 kV
Admissible short-circuit current	Iscrr	50 000 A
Mechanical Characteristics		
Technology		MOV
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)		MDAC1-13-440
Remote signaling of disconnection		output on changeover contact
Wiring for remote signaling		1.5 mm <sup>2</sup> max.
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)
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 max / 125A mini
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification		
Part number		
<b>821750544</b>		

