



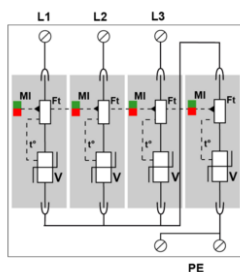
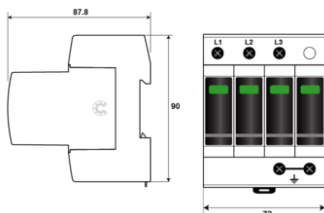
CITEL

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
- PV inverter application: Max DC voltage L/PE= 1200 Vdc
- Iimp: 12.5 kA
- Pluggable module
- Remote signaling (option)
- EN 61643-11, IEC 61643-11 compliance



V: High-energy varistor
Ft: Thermal fuse
t*: Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics

SPD type	1+2
Network	Equal or less than 800 Vac
AC system	TNC-IT
Max. AC operating voltage	Uc 880 Vac
Max. DC operating voltage	Uc 1200 Vdc
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
Specific energy by pole max. withstand 10/350 μ s	W/R 40 kJ/ohm
Protection level @ In (8/20 μ s)	Up 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	315 A max. - Fuses Type gG / or SFD1-25S

Standards

Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
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Part number

821750534

