



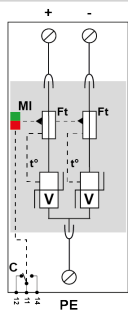
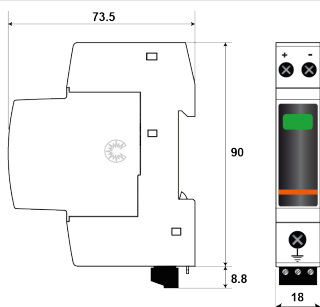
CITEL



DC power surge protector Type 2 -130 Vdc

DDC40CS-20-180

- Type 2 DC power surge protector
- Compact design
- I_{max}: 40 kA
- Pluggable module
- Remote signaling
- Low Up protection level
- Compliance prIEC 61643-41 and UL1449 ed.5



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

Electrical Characteristics

SPD type	IEC	2
Network		DC network 130 Vdc
Nominal PV voltage	U _{ocstc}	130 Vdc
Max. AC operating voltage	U _c	150 Vac
Max. PV operating voltage	U _{cpv}	180 Vdc
Max. DC operating voltage	U _c	180 Vdc
Max. load current @25°C	I _L	20 A
Residual Current Leakage current to Ground	I _{pe}	< 0.2 mA
PV Permanent Operating current Current consumption at U _{cpv}	I _{cpv}	< 0.1 mA
Nominal discharge current 15 x 8/20 μs impulses	I _n	20 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I _{max}	40 kA
Total Maximum discharge current max. total withstand @ 8/20 μs	I _{max} Total	80 kA
Current withstand short circuit PV	I _{scpv}	1000 A
Connection mode(s)		+/-/PE
Protection level +/-PE (-/PE) @ I _n (8/20 μs)	U _p	620 V
Admissible short-circuit current	I _{scsr}	10 000 A

Mechanical Characteristics

Technology		MOV
Connection to Network		By screw terminals: 1.5-10mm ² (actives wires) and 2.5-25mm ² (ground)
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	T _u	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from DC network
Disconnection indicator		1 mechanical indicator - Red/Green
Spare module(s)		MDDC40C-20-180
Remote signaling of disconnection		Output on changeover contact
Wiring for remote signaling		1.5 mm ² max.
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions		See diagram - 1TE (EN43880)
Weight		0.138 kg

Disconnectors

Thermal disconnector		Internal
Back-up protection device		50 A min. - 125 A max. - Fuses Type gG

Standards

Standards compliance		prIEC 61643-41 and UL1449 ed.5
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Part number

828410821

