



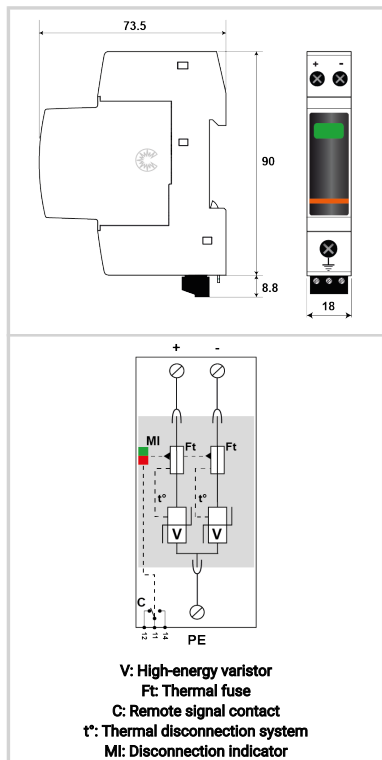
CITEL



DC power surge protector Type 2 - 75 Vdc - Compact

DDC40CS-20-100

- 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



Electrical Characteristics

SPD type	IEC	2
Network		DC network 75 Vdc
Nominal PV voltage	Uocsc	75 Vdc
Max. AC operating voltage	Uc	75 Vac
Max. PV operating voltage	Ucpv	100 Vdc
Max. DC operating voltage	Uc	100 Vdc
Max. load current @25°C	IL	20 A
Residual Current Leakage current to Ground	Ipe	< 0.2 mA
PV Permanent Operating current Current consumption at Ucpv	Icpv	< 0.1 mA
Nominal discharge current 15 x 8/20 µs impulses	In	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	Iscpv	1000 A
Connection mode(s)		+/-/PE
Protection level +/-PE (-/PE) @ In (8/20µs)	Up	390 V
Admissible short-circuit current	I _{sc}	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	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from DC network
Disconnection indicator		1 mechanical indicator - Red/Green
Spare module(s)		MDDC40C-20-100
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)

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

828410521

