



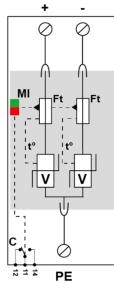
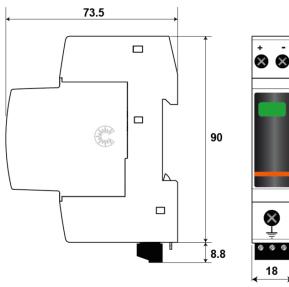
CITEL

DC power surge protector Type 2 - 24 Vdc

DDC20CS-20-38



- Type 2 DC power surge protector
- Compact design
- Imax: 20 kA
- Pluggable module
- Low Up protection level
- Remote signaling
- 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 24Vdc
Nominal PV voltage	Uocstc	24 Vdc
Max. AC operating voltage	Uc	30 Vac
Max. PV operating voltage	Ucpv	38 Vdc
Max. DC operating voltage	Uc	38 Vdc
Max. load current @25°C	IL	20 A
Residual Current	Ipe	< 0.2 mA
Leakage current to Ground		
PV Permanent Operating current	Icpv	< 0.1 mA
Current consumption at Ucpv		
Follow current	If	None
Nominal discharge current 15 x 8/20 µs impulses	In	10 kA
Max. discharge current max. withstand @ 8/20 µs by pole	Imax	20 kA
Total Maximum discharge current max. total withstand @ 8/20 µs	Imax Total	40 kA
Current withstand short circuit PV	Iscpv	1000 A
Connection mode(s)		+/-PE
Protection level +/PE (-/PE) @ In (8/20µs)	Up	250 V
Admissible short-circuit current	Isccr	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)	MDDC20C-20-38
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	0.103 kg

Disconnectors

Thermal disconnector	Internal
Back-up protection device	20 A min. - 125 A max. - Fuses type gG

Standards

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

828210421

