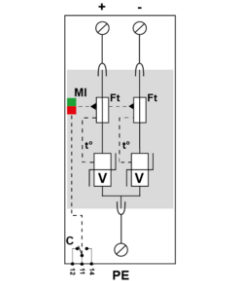
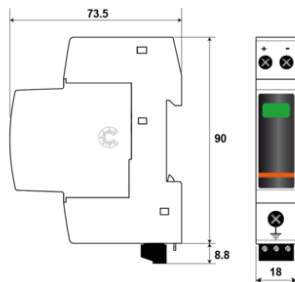


DDC20CS-20-38



- Type 2 DC power surge protector
- Compact design
- I_{max}: 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		2
Network		DC network 24Vdc
Nominal PV voltage	Uocsc	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	IL	20 A
Residual Current	Ipe	< 0.1 mA
Leakage current to Ground		
PV Permanent Operating current	Icpv	< 0.1 mA
Current consumption at Ucpv		
Follow current	If	None
Nominal discharge current	In	10 kA
15 x 8/20 μ s impulses		
Max. discharge current	I _{max}	20 kA
max. withstand @ 8/20 μ s by pole		
Total Maximum discharge current	I _{max} Total	40 kA
max. total withstand @ 8/20 μ s		
Current withstand short circuit PV	Iscpv	1000 A
Connection mode(s)		+/-PE
Protection level +/-PE (-/PE)	Up	250 V
@ In (8/20 μ s)		
Admissible short-circuit current	Iscpr	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