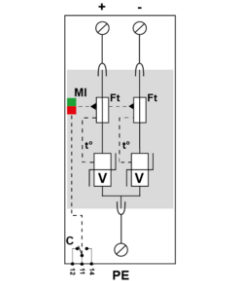
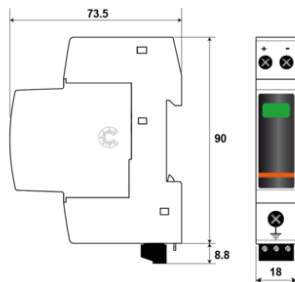


DDC40CS-20-275



- 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		2
Network		DC network 220 Vdc
Nominal PV voltage	Uocsc	220 Vdc
Max. AC operating voltage	Uc	210 Vac
Max. PV operating voltage	Ucpv	275 Vdc
Max. DC operating voltage	Uc	275 Vdc
Max. load current	IL	20 A
Residual Current	I _{pe}	< 0.1 mA
Leakage current to Ground		
PV Permanent Operating current	I _{cpv}	< 0.1 mA
Current consumption at U _{cpv}		
Nominal discharge current	I _n	20 kA
15 x 8/20 μs impulses		
Max. discharge current	I _{max}	40 kA
max. withstand @ 8/20 μs by pole		
Total Maximum discharge current	I _{max} Total	80 kA
max. total withstand @ 8/20 μs		
Current withstand short circuit PV	I _{scpv}	1000 A
Connection mode(s)		+/-PE
Protection level +/-PE (-/PE)	U _p	900 V
@ I _n (8/20 μs)		
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	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-20-275
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		0.143 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

828410921