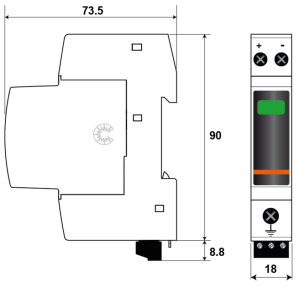
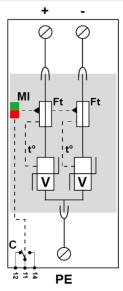
DC power surge protector Type 2 - 24 Vdc

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 Leakage current to Ground	Ipe	< 0.2 mA
PV Permanent Operating current Current consumption at Ucpv	Icpv	< 0.1 mA
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: 1.5-10mm² (actives wires) and 2.5-25mm² (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 mm² 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
Part number		
828210421		