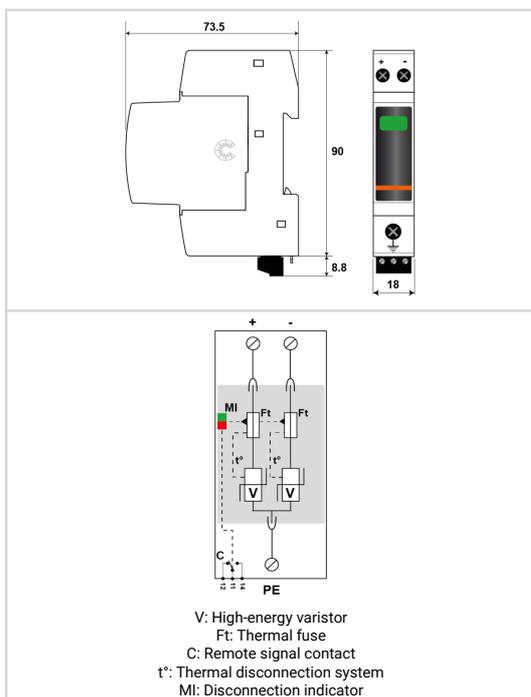




- ✔ Type 2 DC power surge protector
- ✔ Compact design
- ✔ I<sub>max</sub>: 20 kA
- ✔ Pluggable module
- ✔ Low Up protection level
- ✔ Remote signaling
- ✔ Compliance prIEC 61643-41 and UL1449 ed.5



Electrical Characteristics		
SPD type	IEC	2
Network		DC network 24Vdc
Nominal PV voltage	U <sub>ocstc</sub>	24 Vdc
Max. AC operating voltage	U <sub>c</sub>	30 Vac
Max. PV operating voltage	U <sub>cpv</sub>	38 Vdc
Max. DC operating voltage	U <sub>c</sub>	38 Vdc
Max. load current @25°C	I <sub>L</sub>	20 A
Residual Current Leakage current to Ground	I <sub>pe</sub>	< 0.2 mA
PV Permanent Operating current Current consumption at U <sub>cpv</sub>	I <sub>cpv</sub>	< 0.1 mA
Follow current	I <sub>f</sub>	None
Nominal discharge current 15 x 8/20 μs impulses	I <sub>n</sub>	10 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I <sub>max</sub>	20 kA
Total Maximum discharge current max. total withstand @ 8/20 μs	I <sub>max Total</sub>	40 kA
Current withstand short circuit PV	I <sub>scpv</sub>	1000 A
Connection mode(s)		+/-PE
Protection level +/-PE (-/PE) @ I <sub>n</sub> (8/20μs)	U <sub>p</sub>	250 V
Admissible short-circuit current	I <sub>scrc</sub>	10 000 A
Mechanical Characteristics		
Technology		MOV
Connection to Network		By screw terminals: 1.5-10mm <sup>2</sup> (actives wires) and 2.5-25mm <sup>2</sup> (ground)
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	T <sub>u</sub>	-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 <sup>2</sup> 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		20 A min. - 125 A max. - Fuses type gG
Standards		
Standards compliance		prIEC 61643-41 and UL1449 ed.5
Part number		
828210421		