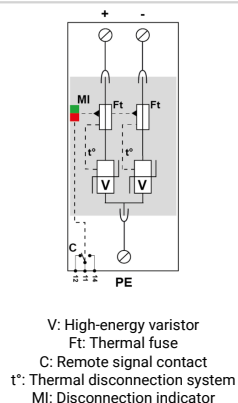
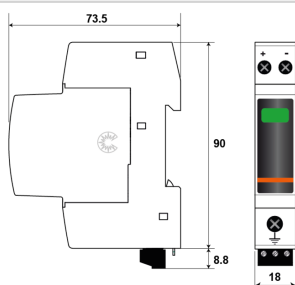




- ✦ Type 2 DC power surge protector
- ✦ Compact design
- ✦ I_{max}: 20 kA
- ✦ Pluggable module
- ✦ Low Up protection level
- ✦ Remote signaling
- ✦ Compliance prIEC 61643-41 and UL1449 ed.5



Electrical Characteristics		
SPD type	IEC	2
Network		DC network 24Vdc
Nominal PV voltage	U _{ocstc}	24 Vdc
Max. AC operating voltage	U _c	30 Vac
Max. PV operating voltage	U _{cpv}	38 Vdc
Max. DC operating voltage	U _c	38 Vdc
Max. load current @25°C	I _L	20 A
Residual Current Leakage current to Ground	I _{pe}	< 0.2 mA
PV Permanent Operating current	I _{cpv}	< 0.1 mA
Current consumption at U _{cpv}		
Follow current	I _f	None
Nominal discharge current 15 x 8/20 µs impulses	I _n	10 kA
Max. discharge current max. withstand @ 8/20 µs by pole	I _{max}	20 kA
Total Maximum discharge current max. total withstand @ 8/20 µs	I _{max} Total	40 kA
Current withstand short circuit PV	I _{scpv}	1000 A
Connection mode(s)		+/-PE
Protection level +/-PE (-/PE) @ I _n (8/20µs)	U _p	250 V
Admissible short-circuit current	I _{scrr}	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)		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
Part number		
828210421		