



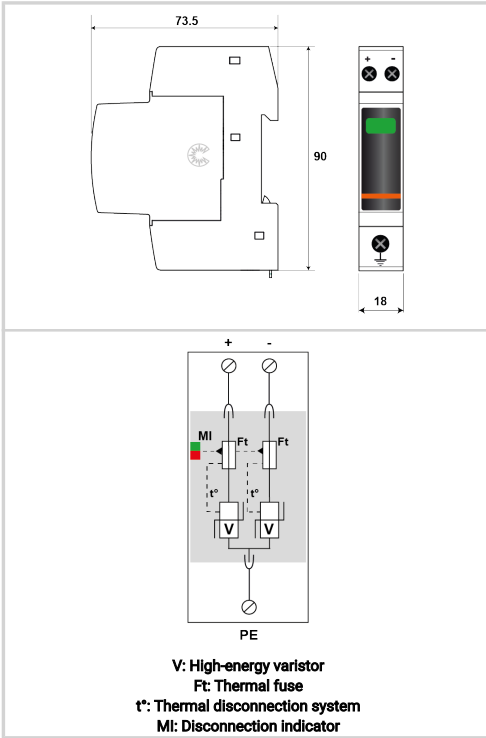
CITEL

DC power surge protector Type 2 - 24 Vdc

DDC20C-20-38



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



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	lpe	< 0.2 mA
Leakage current to Ground		
PV Permanent Operating current	lcpv	< 0.1 mA
Current consumption at Ucpv		
Follow current	If	None
Nominal discharge current	In	10 kA
15 x 8/20 μs impulses		
Max. discharge current	I _{max}	20 kA
max. withstand @ 8/20 μs by pole		
Total Maximum discharge current	I _{max} Total	40 kA
max. total withstand @ 8/20 μs		
Current withstand short circuit PV	Iscpv	1000 A
Connection mode(s)		+/-/PE
Protection level +/-PE (-/PE)	Up	250 V
@ In (8/20μs)		
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		Option DDC20CS-20-38 : output on changeover contact
Dimensions		See diagram - 1TE (EN43880)
Weight		0.100 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		
828210411		

