



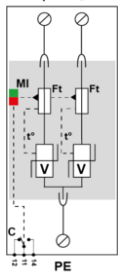
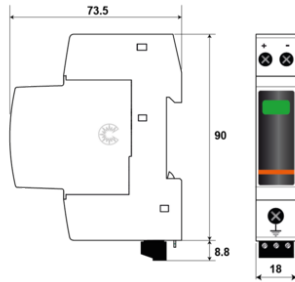
DC power surge protector Type 2 - 24 Vdc

CITEL

DDC20CS-20-38



- 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



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 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 < 0.1 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	I _{max} 20 kA
Total Maximum discharge current max. total withstand @ 8/20 μs	I _{max} 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	Iscsr 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	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 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	

