



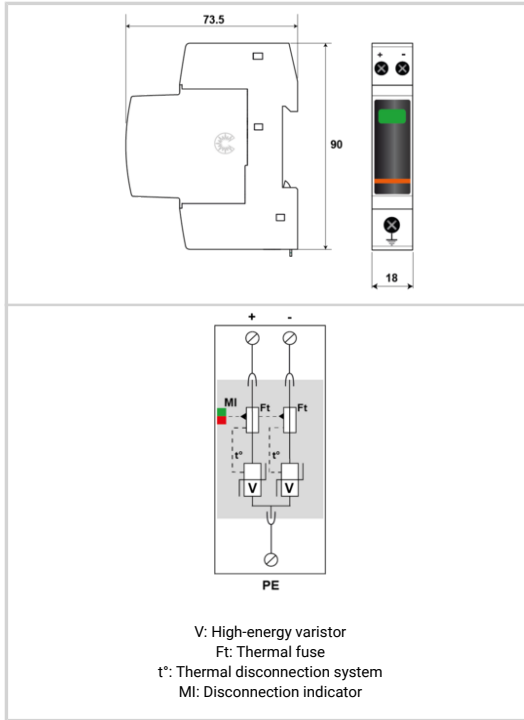
# DC power surge protector Type 2 -280 Vdc

# CITEL

## DDC40C-20-350



- Type 2 DC power surge protector
- Compact design
- I<sub>max</sub>: 40 kA
- Pluggable module
- Remote signaling (option)
- Low Up protection level
- Compliance prIEC 61643-41 and UL1449 ed.5



Electrical Characteristics	
SPD type	2
Network	DC network 280 Vdc
Nominal PV voltage	Uocstc 280 Vdc
Max. AC operating voltage	Uc 275 Vac
Max. PV operating voltage	Ucpv 350 Vdc
Max. DC operating voltage	Uc 350 Vdc
Max. load current @25°C	IL 20 A
Residual Current Leakage current to Ground	Ipe < 0.1 mA
PV Permanent Operating Current consumption at Ucpv	Icpv < 0.1 mA
Nominal discharge current 15 x 8/20 μs impulses	In 20 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I <sub>max</sub> 40 kA
Current withstand short circuit PV	I <sub>scpv</sub> 1000 A
Connection mode(s)	+/-/PE
Protection level +/-PE (-/PE) @ In (8/20μs)	Up 1200 V
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	Tu -40/+85°C
Protection rating	IP20
Failsafe mode	Disconnection from DC network
Disconnection indicator	1 mechanical indicator - Red/Green
Spare module(s)	MDDC40C-20-350
Remote signaling of disconnection	Option DDC40CS-20-350 : output on changeover contact
Dimensions	See diagram - 1TE (EN43880)
Weight	0.145 kg
Disconnectors	
Thermal disconnector	Internal
Back-up protection device	50 A min. - 125 A max. - Fuses Type gG
Standards	
Standards compliance	prIEC 61643-41 and UL1449 ed.5
Part number	
828411011	

