



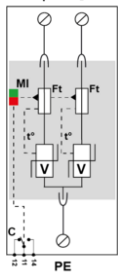
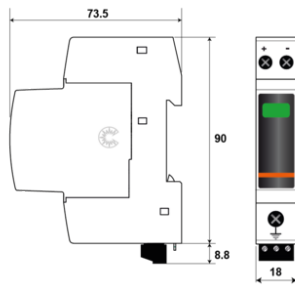
# DC power surge protector Type 2 - 350 Vdc

# CITEL

## DDC40CS-20-460



- Type 2 DC power surge protector
- Compact design
- I<sub>max</sub>: 40 kA
- Pluggable module
- Remote signaling
- Low Up protection level
- Compliance prIEC 61643-41 and UL1449 ed.5
- Certified EN 61643-31 / IEC 61643-31



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 350 Vdc
Nominal PV voltage	Uocstc 350 Vdc
Max. AC operating voltage	Uc 350 Vac
Max. PV operating voltage	Ucpv 460 Vdc
Max. DC operating voltage	Uc 460 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
Total Maximum discharge current max. total withstand @ 8/20 μs	I <sub>max</sub> Total 80 kA
Current withstand short circuit PV	Iscpv 1000 A
Connection mode(s)	+/-/PE
Protection level +/-PE (-/PE) @ In (8/20μs)	Up 1400 V
Admissible short-circuit current	Iscsr 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	Tu -40/+85°C
Protection rating	IP20
Failsafe mode	Disconnection from DC network
Disconnection indicator	1 mechanical indicator - Red/Green
Spare module(s)	MDDC40C-20-460
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)
Weight	0.160 kg
Disconnectors	
Thermal disconnector	Internal
Back-up protection device	50 A min. - 125 A max. - Fuses Type gG
Standards	
Standards compliance	IEC 61643-31 / EN 61643-31 / prIEC 61643-41 and UL1449 ed.5
Certification	KEMA
Part number	
828411121	

