



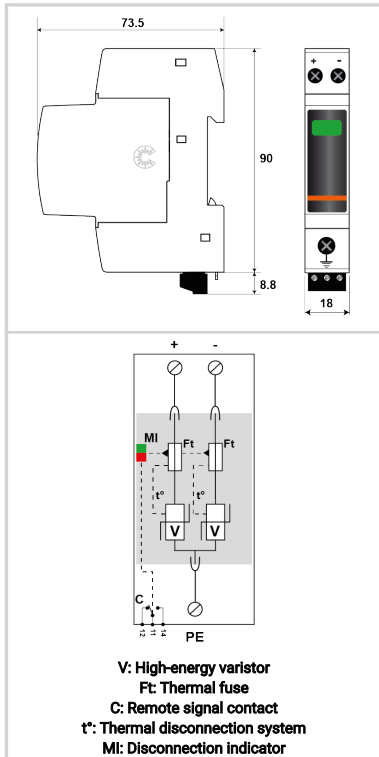
# CITEL

## DC power surge protector Type 2 - 350 Vdc

### 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



Electrical Characteristics		
SPD type	IEC	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	lpe	< 0.2 mA
Leakage current to Ground		
PV Permanent Operating current	lcpv	< 0.1 mA
Current consumption at Ucpv		
Nominal discharge current	In	20 kA
15 x 8/20 μs impulses		
Max. discharge current	I <sub>max</sub>	40 kA
max. withstand @ 8/20 μs by pole		
Total Maximum discharge current	I <sub>max</sub> Total	80 kA
max. total withstand @ 8/20 μs		
Current withstand short circuit PV	I <sub>scpv</sub>	1000 A
Connection mode(s)		+/-/PE
Protection level +/-PE (-/PE)	Up	1400 V
@ In (8/20μs)		
Admissible short-circuit current	I <sub>scrr</sub>	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)
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		
<b>828411121</b>		

