



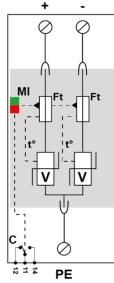
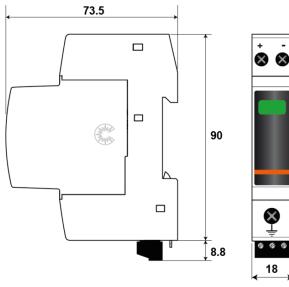
# CITEL

## DC power surge protector Type 2 -220 Vdc

### DDC40CS-20-275



- Type 2 DC power surge protector
- Compact design
- Imax: 40 kA
- Pluggable module
- Remote signaling
- Low Up protection level
- Compliance prIEC 61643-41 and UL1449 ed.5



V: High-energy varistor  
Ft: Thermal fuse  
C: Remote signal contact  
 $t^\circ$ : Thermal disconnection system  
MI: Disconnection indicator

#### Electrical Characteristics

SPD type	IEC	2
Network		DC network 220 Vdc
Nominal PV voltage	Uocstc	220 Vdc
Max. AC operating voltage	Uc	210 Vac
Max. PV operating voltage	Ucpv	275 Vdc
Max. DC operating voltage	Uc	275 Vdc
Max. load current @25°C	IL	20 A
Residual Current	Ipe	< 0.2 mA
Leakage current to Ground		
PV Permanent Operating current	Icpv	< 0.1 mA
Current consumption at Ucpv		
Nominal discharge current 15 x 8/20 µs impulses	In	20 kA
Max. discharge current max. withstand @ 8/20 µs by pole	Imax	40 kA
Total Maximum discharge current max. total withstand @ 8/20 µs	Imax Total	80 kA
Current withstand short circuit PV	Iscpv	1000 A
Connection mode(s)		+/-/PE
Protection level +/PE (-/PE) @ In (8/20µs)	Up	900 V
Admissible short-circuit current	Isccr	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-20-275
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	0.143 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
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#### Part number

828410921

