



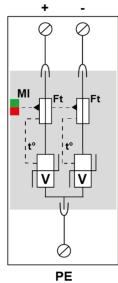
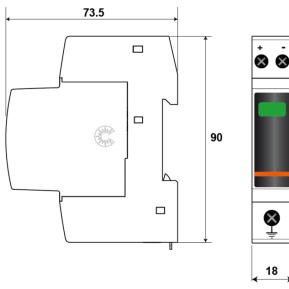
# CITEL

## DC power surge protector Type 2 -110 Vdc

### DDC40C-20-150



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



V: High-energy varistor  
Ft: Thermal fuse  
t°: Thermal disconnection system  
MI: Disconnection indicator

#### Electrical Characteristics

SPD type	IEC	2
Network		DC network 110 Vdc
Nominal PV voltage	Uocstc	110 Vdc
Max. AC operating voltage	Uc	115 Vac
Max. PV operating voltage	Ucpv	150 Vdc
Max. DC operating voltage	Uc	150 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
Current withstand short circuit PV	Iscpv	1000 A
Connection mode(s)		+/-PE
Protection level +/PE (-/PE) @ In (8/20µs)	Up	500 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-20-150
Remote signaling of disconnection	Option DDC40CS-20-150 : output on changeover contact
Dimensions	See diagram - 1TE (EN43880)
Weight	0.130 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

828410711

