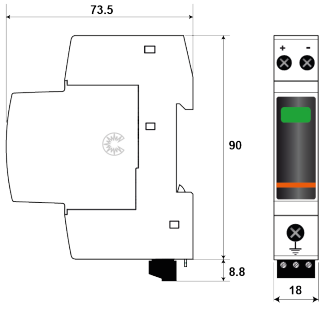
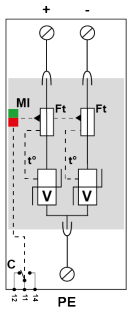
DC power surge protector Type 2 -110 Vdc

DDC40CS-20-150

- 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°: 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 *Leakage current to Ground*	Ipe	< 0.2 mA
PV Permanent Operating current *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*	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	500 V
Admissible short-circuit current	Isccr	10 000 A
Mechanical Characteristics		
Technology		MOV
Connection to Network		By screw terminals: 1.5-10mm² (actives wires) and 2.5-25mm² (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		Output on changeover contact
Wiring for remote signaling		1.5 mm² max.
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions		See diagram - 1TE (EN43880)
Weight		0.133 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		
828410721		