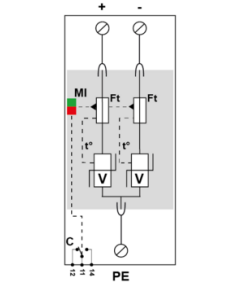
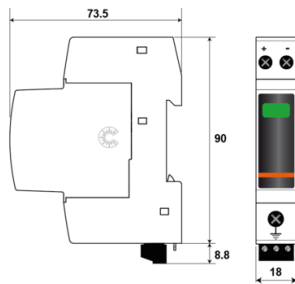


DDC40CS-20-100



- Type 2 DC power surge protector
- Compact design
- I_{max} : 40 kA
- Pluggable module
- Remote signaling
- Low Up protection level
- Compliance prIEC 61643-41 et 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 75 Vdc
Nominal PV voltage	Uocstc	75 Vdc
Max. AC operating voltage	Uc	75 Vac
Max. PV operating voltage	Ucpv	100 Vdc
Max. DC operating voltage	Uc	100 Vdc
Max. load current	IL	20 A
Residual Current (Leakage current to Ground)	Ipe	< 0.1 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)	I _{max}	40 kA
Total Maximum discharge current (max. total withstand @ 8/20 μs)	I _{max} Total	80 kA
Current withstand short circuit PV	Iscpv	1000 A
Connection mode(s)		+/-/PE
Protection level +/-PE (@ In (8/20μs))	Up	390 V
Mechanical Characteristics		
Technology		MOV
Connection to Network		By screw terminals: 1.5-10mm ² (actives wires) and 2.5-25mm ² (ground)
Format		Plug-in modular box
Pluggable		Yes
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Outdoor application		No
Failsafe mode		Disconnection from DC network
Disconnection indicator		1 mechanical indicator - Red/Green
Spare module(s)		MDDC40C-20-100
Remote signaling of disconnection		Output on changeover contact
Wiring for remote signaling		1.5 mm ² max.
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions		See diagram - 1TE (EN43880)
Weight		0.115 kg
Disconnectors		
Thermal disconnector		Internal
Fuses		50 A min. - 125 A max. - Fuses Type gG
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.4
Part number		
828410521		