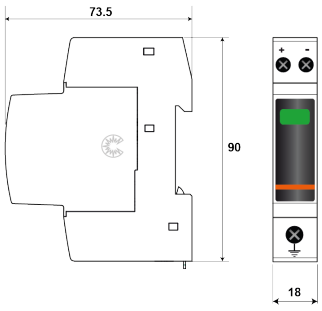
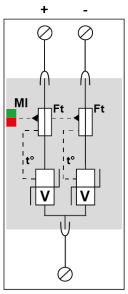
DC power surge protector Type 2 - 48 Vdc

DDC30C-20-65

- Type 2 DC power surge protector
- Compact design
- Imax: 30 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 48 Vdc
Nominal PV voltage	Uocstc	48 Vdc
Max. AC operating voltage	Uc	50 Vac
Max. PV operating voltage	Ucpv	65 Vdc
Max. DC operating voltage	Uc	65 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
Follow current	If	None
Nominal discharge current *15 x 8/20 µs impulses*	In	15 kA
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	30 kA
Total Maximum discharge current *max. total withstand @ 8/20 µs*	Imax Total	60 kA
Current withstand short circuit PV	Iscpv	1000 A
Connection mode(s)		+/-/PE
Protection level +/PE (-/PE) *@ In (8/20µs)*	Up	300 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)		MDDC30C-20-65
Remote signaling of disconnection		Option DDC30CS-20-65: output on changeover contact
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		prIEC 61643-41 and UL1449 ed.5
Part number		
828310111		