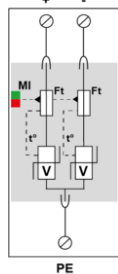
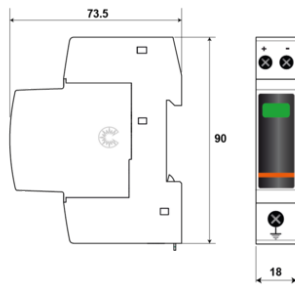


DDC30C-20-65



- Type 2 DC power surge protector
- Compact design
- I_{max}: 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		2
Network		DC network 48 Vdc
Nominal PV voltage	Uocsc	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	IL	20 A
Residual Current	Ipe	< 0.1 mA
Leakage current to Ground		
PV Permanent Operating current	Icpv	< 0.1 mA
Current consumption at Ucpv		
Follow current	If	None
Nominal discharge current	In	15 kA
15 x 8/20 μ s impulses		
Max. discharge current	I _{max}	30 kA
max. withstand @ 8/20 μ s by pole		
Total Maximum discharge current	I _{max} Total	60 kA
max. total withstand @ 8/20 μ s		
Current withstand short circuit PV	Iscpv	1000 A
Connection mode(s)		+/-PE
Protection level +/-PE (-/PE)	Up	300 V
@ In (8/20 μ s)		
Admissible short-circuit current	Iscsr	10 000 A
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
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)
Weight		0.100 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		
828310111		