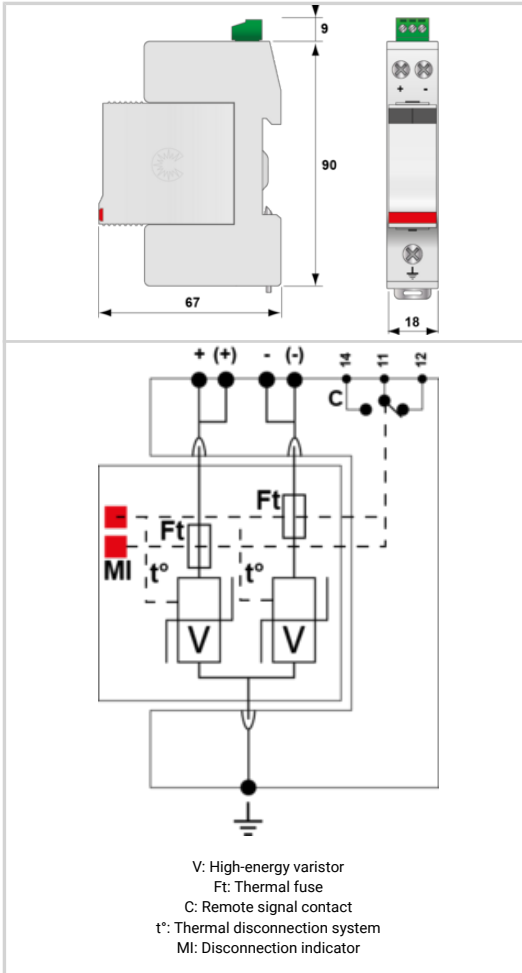




- Discover our latest innovation : the [DDC30CS-20-65](#)
- DC or PV power surge protector
- 48 Vdc
- Compact design
- I_{max}: 30 kA
- Pluggable module
- Remote signaling
- Very low U_p protection level



Electrical Characteristics	
SPD type	2
Network	DC or PV network 48Vdc
Nominal line voltage	Un 48 Vdc
Nominal DC voltage	Un-dc 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 50 A
Residual Current Leakage current to Ground	Ipe < 0.1 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	I _{max} 30 kA
Total Maximum discharge current max. total withstand @ 8/20 μs	I _{max} Total 30 kA
Current withstand short circuit PV	Iscpv 1000 A
Connection mode(s)	+/-PE
Protection mode(s)	Common mode
Protection level @ In (8/20μs)	Up 300 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
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	2 mechanical indicators
Spare module(s)	DSM230-48DC
Remote signaling of disconnection	Output on changeover contact
Dimensions	See diagram
Disconnectors	
Thermal disconnector	Internal
Back-up protection device	Fuses type gG - 20A
Standards	
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification	UL Recognized
Part number	
390411	

