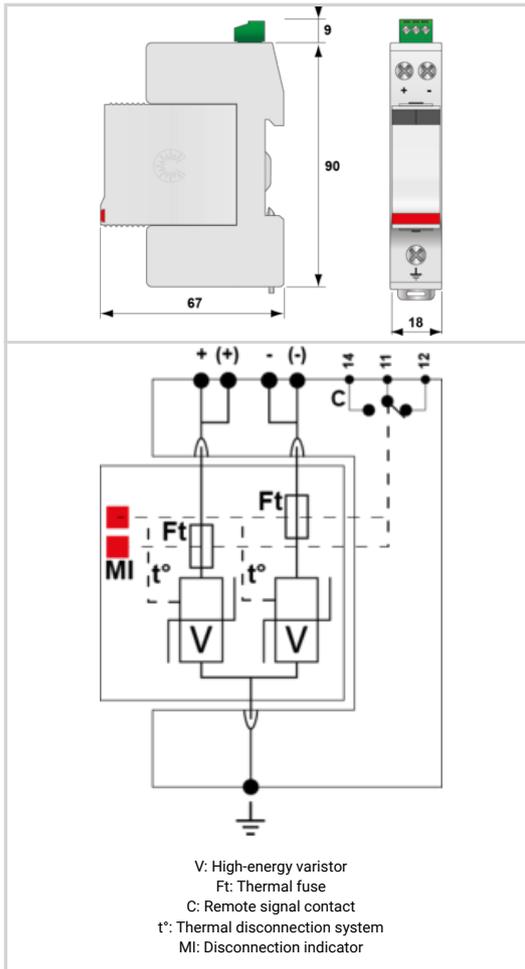


DS220S-12DC



- › DC power surge protector
- › 12 Vdc
- › Compact design
- › I_{max} : 20 kA
- › Pluggable module
- › Remote signaling
- › Very low Up protection level



Electrical Characteristics		
SPD type	2	
Network	DC or PV network 12Vdc	
Nominal line voltage	Un	48 Vdc
Nominal DC voltage	Un-dc	12 Vdc
Nominal PV voltage	Uocstc	12 Vdc
Max. AC operating voltage	Uc	20 Vac
Max. PV operating voltage	Ucpv	24 Vdc
Max. DC operating voltage	Uc	24 Vdc
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	10 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I _{max}	20 kA
Total Maximum discharge current max. total withstand @ 8/20 μs	I _{max Total}	20 kA
Current withstand short circuit PV	I _{scpv}	1000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common mode/Differential mode
Mechanical Characteristics		
Technology		MOV
SPD configuration		2-poles
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)		DSM220-12DC
Remote signaling of disconnection		Output on changeover contact
Dimensions		See diagram
Weight		0.111 kg
Disconnectors		
Thermal disconnector		Internal
Fuses		Fuses type gG - 20A
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification		UL 497B
Part number		
		390111