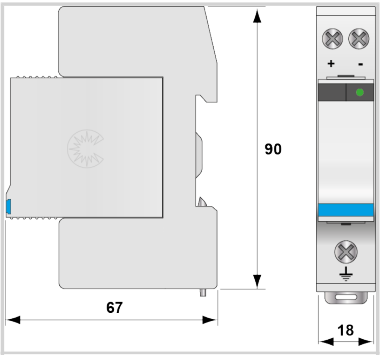
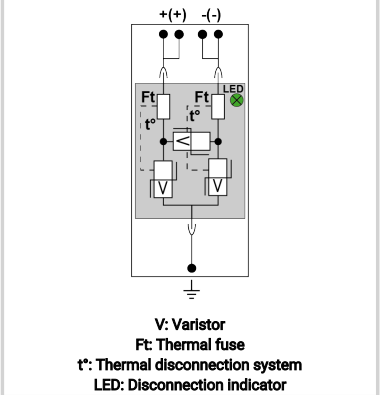
DC power surge protector - 12 Vdc

DS210-12DC



- Surge protector for DC supplies
- 12 Vdc
- Imax : 2 kA
- Pluggable module
- Operating indicator
- IEC 61643-11, EN 61643-11 and UL1449 ed.5 compliance





V: Varistor
Ft: Thermal fuse
t°: Thermal disconnection system
LED: Disconnection indicator

Electrical Characteristics		
SPD type	IEC	2+3
Network		DC network 12 Vdc
Nominal DC voltage	Un-dc	12 Vdc
Max. AC operating voltage	Uc	10 Vac
Max. DC operating voltage	Uc	15 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	1 kA
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	2 kA
Total Maximum discharge current *max. total withstand @ 8/20 µs*	Imax Total	2 kA
Current withstand short circuit PV	Iscpv	1000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
Protection level +/PE (-/PE) *@ In (8/20µs)*	Up	85 V
Mechanical Characteristics		
Technology		MOV
SPD configuration		2-poles
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		Green LED(s) OFF
Spare module(s)		DSM210-12DC
Dimensions		See diagram
Disconnectors		
Thermal disconnector		Internal
Back-up protection device		Fuses type gG - 10 A
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Part number		
440201		