



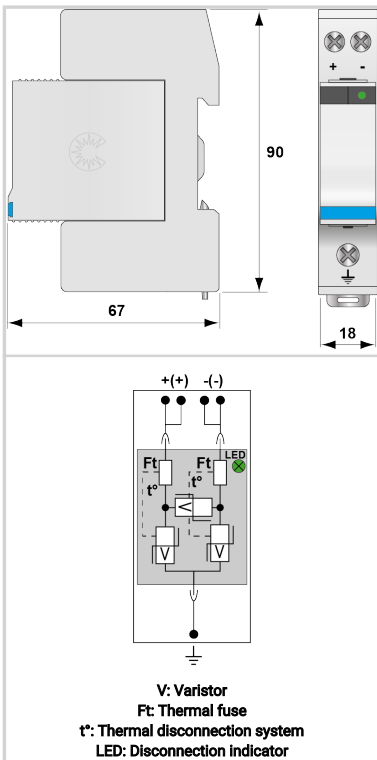
CITEL

DC power surge protector - 12 Vdc

DS210-12DC



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



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	I _{pe}	< 0.2 mA
Leakage current to Ground		
PV Permanent Operating current	I _{cpv}	< 0.1 mA
Current consumption at U _{cpv}		
Follow current	I _f	None
Nominal discharge current	I _n	1 kA
15 x 8/20 μs impulses		
Max. discharge current	I _{max}	2 kA
max. withstand @ 8/20 μs by pole		
Total Maximum discharge current	I _{max Total}	2 kA
max. total withstand @ 8/20 μs		
Current withstand short circuit PV	I _{scpv}	1000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
Protection level +/-PE (-/PE)	U _p	85 V
@ I _n (8/20μs)		

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	T _u	-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		
--------	--	--

