



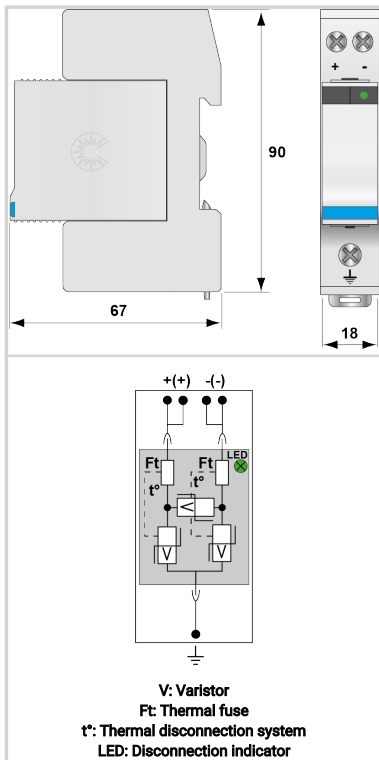
# CITEL

## DC power surge protector - 110 Vdc

### DS210-110DC



- › Surge protector for DC supplies
- › 110 Vdc
- › I<sub>max</sub>: 6 kA
- › Pluggable module
- › Operating indicator
- › IEC 61643-11, EN 61643-11 and UL1449 4ed. compliance



#### Electrical Characteristics

SPD type	IEC	2+3
Network		DC network 110 Vdc
Nominal DC voltage	Un-dc	110 Vdc
Max. AC operating voltage	Uc	95 Vac
Max. DC operating voltage	Uc	125 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	2 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I <sub>max</sub>	6 kA
Total Maximum discharge current max. total withstand @ 8/20 μs	I <sub>max</sub> Total	6 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	350 V

#### Mechanical Characteristics

Technology		MOV
SPD configuration		2-poles
Connection to Network		By screw terminals: 1.5-10mm <sup>2</sup> (actives wires) and 2.5-25mm <sup>2</sup> (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)		DSM210-110DC
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
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#### Part number

440901		
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