



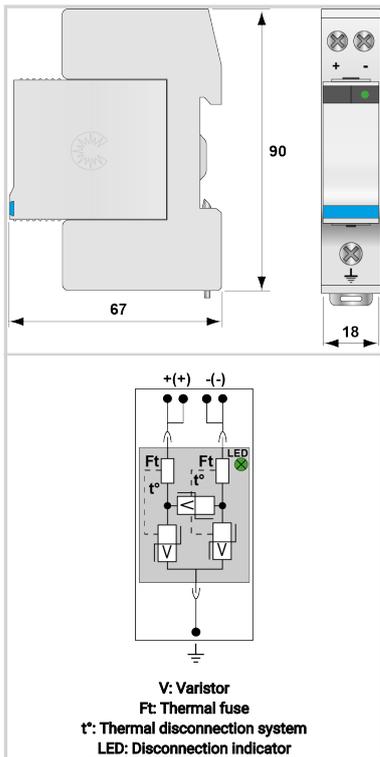
CITEL

DC power surge protector - 48 Vdc

DS210-48DC



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



Electrical Characteristics		
SPD type	IEC	2+3
Network		DC network 48 Vdc
Nominal line voltage	Un	48 Vdc
Nominal DC voltage	Un-dc	48 Vdc
Max. AC operating voltage	Uc	40 Vac
Max. DC operating voltage	Uc	56 Vdc
Max. load current @25°C	IL	20 A
Residual Current <i>Leakage current to Ground</i>	Ipe	< 0.2 mA
PV Permanent Operating current <i>Current consumption at Ucpv</i>	Icpv	< 0.1 mA
Follow current	If	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	In	2 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	Imax	6 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i>	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) <i>@ In (8/20μs)</i>	Up	180 V
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		Green LED(s) OFF
Spare module(s)		DSM210-48DC
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		
440401		

