

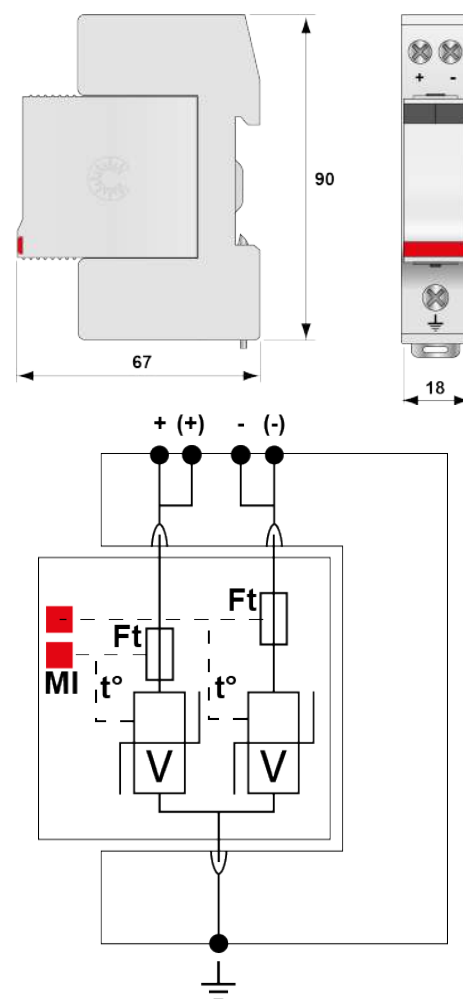


DS220-24DC



- DC or PV power surge protector
- 24 Vdc
- Compact design
- I_{max} : 20 kA
- Pluggable module
- Remote signaling (option)
- Very low U_p protection level

Electrical Characteristics		
SPD type <i>following IEC test</i>		2
Network		DC or PV network 24Vdc
Nominal DC voltage	U_{n-dc}	24 Vdc
Nominal PV voltage	U_{ocstc}	24 Vdc
Max. AC operating voltage L-N	U_c	30 Vdc
Max. PV operating voltage	U_{cpv}	38 Vdc
Max. DC operating voltage	U_c	38 Vdc
Max. load current	I_L	20 A
Residual Current <i>Leakage current to Ground</i>	I_{pe}	< 0.1 mA
Operating current <i>Continuous current at U_c</i>	I_c	< 0.1 mA
PV Permanent Operating current <i>Current consumption at U_{cpv}</i>	I_{cpv}	< 0.1 mA
Follow current	I_f	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	I_n	10 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I_{max}	20 kA
Total Maximal discharge current <i>max. total withstand @ 8/20 μs</i>	I_{max} <i>Total</i>	40 kA
Current withstand short circuit PV	I_{scpv}	1000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common mode
Protection level <i>@ I_n (8/20μs)</i>	U_p	250 V
Protection level L/PE <i>@ I_n (8/20μs)</i>	U_p L/PE	250 V
Residual Voltage at 3 kA <i>@ 8/20μs</i>	U_{p-3kA}	195 V



V: High-energy varistor
Ft: Thermal fuse
t°: Thermal disconnection system
MI: Disconnection indicator



CITEL

DC power surge protector - 24 Vdc

AC POWER

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 (EN60715)
Housing material		Thermoplastic UL94-V0
Operating temperature		-40/+85°C
Protection rating		IP20
Failsafe behavior		disconnection from DC line
Disconnection indicator		2 mechanical indicators
Spare module(s)		DSM220-24DC
Remote signaling of disconnection		Option DS220S-24DC : output on changeover contact
Dimensions		See diagram
Disconnectors		
Thermal disconnector		internal
Fuses		Fuses type gG - 20A
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.4
Part Number		390501