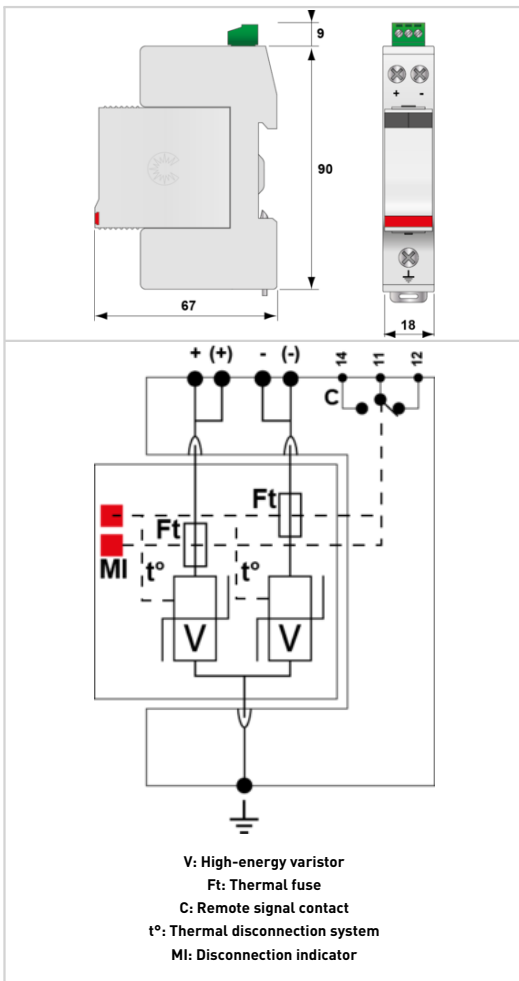


**DS230S-48DC**



- DC or PV power surge protector
- 48 Vdc
- Compact design
- I<sub>max</sub>: 30 kA
- Pluggable module
- Remote signaling
- Very low U<sub>p</sub> protection level



Electrical Characteristics		
SPD type (following IEC tests)		2
Network		DC or PV network 48Vdc
Nominal DC voltage	Un-dc	48 Vdc
Nominal PV voltage	Uocstc	48 Vdc
Max. AC operating voltage	Uc	50 Vac
Max. PV operating voltage	Ucpv	65 Vdc
Max. DC operating voltage	Uc	65 Vdc
Max. load current	IL	20 A
Residual Current(Leakage current to Ground)	Ipe	< 0.1 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	15 kA
Max. discharge current(max. withstand @ 8/20 μs by pole)	I <sub>max</sub>	30 kA
Total Maximum discharge current (max. total withstand @ 8/20 μs )	I <sub>max</sub> Total	60 kA
Current withstand short circuit PV	I <sub>scpv</sub>	1000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common mode
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 [DIN 60715]
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		disconnection from DC line
Disconnection indicator		2 mechanical indicators
Spare module(s)		DSM230-48DC
Remote signaling of disconnection		Output on changeover contact
Dimensions		See diagram
Disconnectors		
Thermal disconnector		internal
Fuses		Fuses type gG - 50 A
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.4
Certification		UL listed
Part number		
<b>390411</b>		