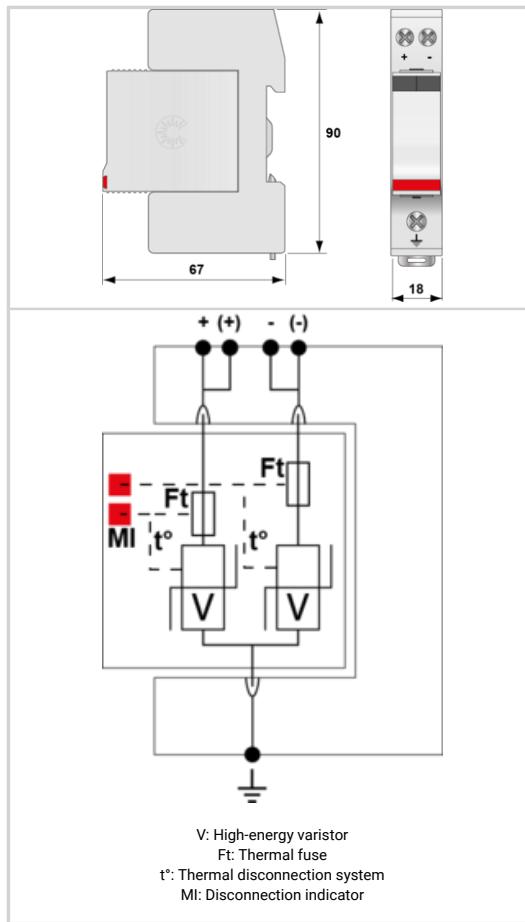


## DS230-48DC



- DC or PV power surge protector
- 48 Vdc
- Compact design
- Imax: 30 kA
- Pluggable module
- Remote signaling (option)
- Very low Up protection level



### Electrical Characteristics

SPD type	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	Imax 30 kA
Total Maximum discharge current max. total withstand @ 8/20 µs	Imax Total 60 kA
Current withstand short circuit PV	Iscpv 1000 A
Connection mode(s)	+/-/PE
Protection mode(s)	Common mode/Differential mode
Protection level +/PE (-/PE) @ In (8/20µs)	Up 300 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	2 mechanical indicators
Spare module(s)	DSM230-48DC
Remote signaling of disconnection	Option DS230S-48DC : output on changeover contact
Dimensions	See diagram
Weight	0.108 kg
Disconnectors	
Thermal disconnector	Internal
Back-up protection device	Fuses type gG - 20A
Standards	
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification	UL listed / TÜV Süd
Part number	390401

