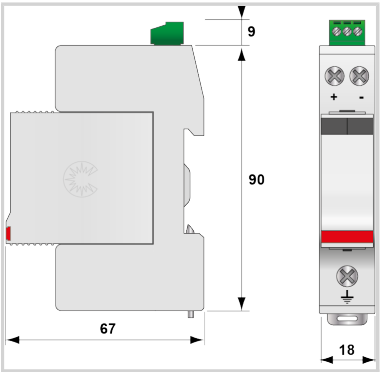
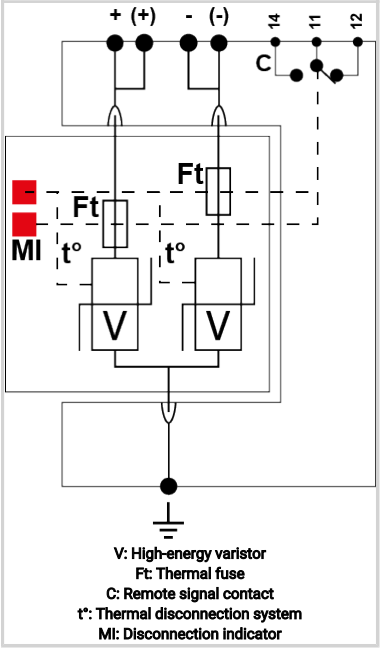
DC power surge protector - 48 Vdc

DS230S-48DC/EC

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





Electrical Characteristics		
SPD type	IEC	2
Network		DC or PV network 48Vdc
Nominal line voltage	Un	48 Vdc
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
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	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	30 kA
Current withstand short circuit PV	Iscpv	1000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common mode
Protection level *@ In (8/20µs)*	Up	300 V
Mechanical Characteristics		
Technology		MOV
Connection to Network		By screw terminals: 1.5-10mm² (actives wires) and 2.5-25mm² (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		Output on changeover contact
Dimensions		See diagram
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 497B
Environmental standards		EU RoHS

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Part number
39041186