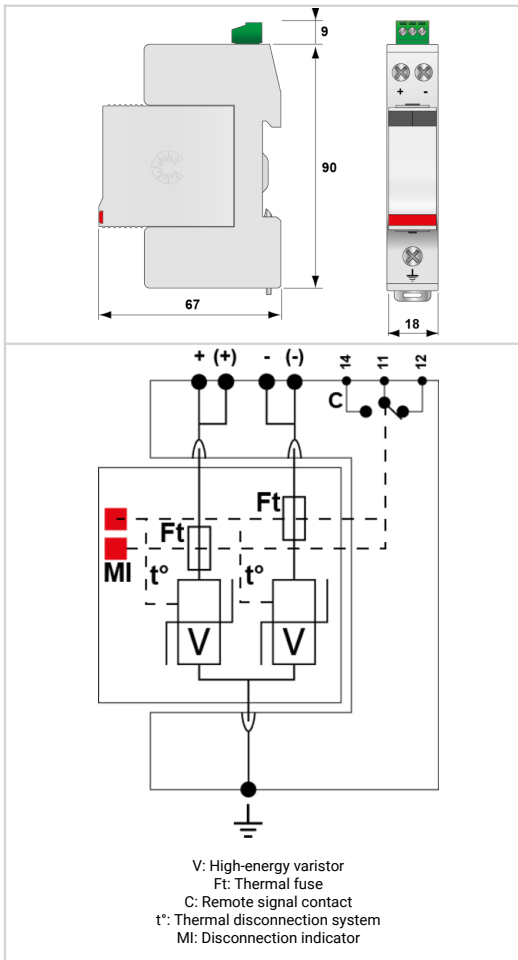


DS230S-48DC


- ✦ Discover our latest innovation : the [DDC30CS-20-65](#)
- ✦ DC or PV power surge protector
- ✦ 48 Vdc
- ✦ Compact design
- ✦ I_{max}: 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	
Max. load current @25°C	IL	50 A	
Residual Current			
Leakage current to Ground	I _{pe}	< 0.1 mA	
PV Permanent Operating current	I _{cpv}	< 0.1 mA	
Current consumption at Ucpv			
Follow current	I _f	None	
Nominal discharge current	I _n	15 kA	
15 x 8/20 μs impulses			
Max. discharge current	I _{max}	30 kA	
max. withstand @ 8/20 μs by pole			
Total Maximum discharge current	I _{max Total}	30 kA	
max. total withstand @ 8/20 μs			
Current withstand short circuit PV	I _{scpv}	1000 A	
Connection mode(s)	+/-/PE		
Protection mode(s)	Common mode		
Protection level @ I _n (8/20μs)	U _p	300 V	
Mechanical Characteristics			
Technology	MOV		
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	T _u	-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 Recognized		
Part number			
390411			