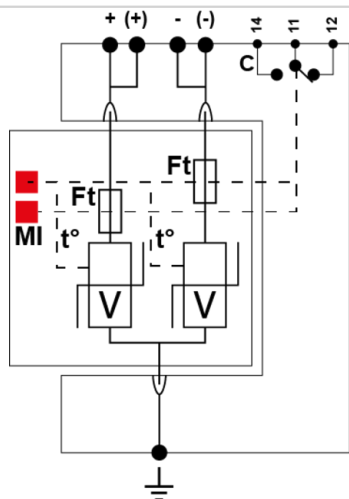
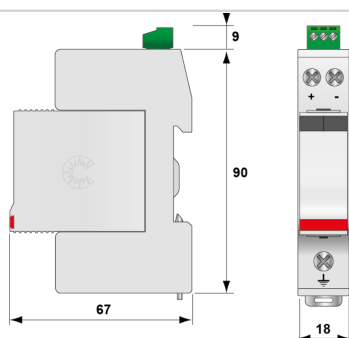


DS240S-280DC



- ✦ Discover our latest innovation : the [DDC40CS-20-350](#)
- ✦ DC power surge protector
- ✦ 280 Vdc
- ✦ Compact design
- ✦ I_{max}: 40 kA
- ✦ Pluggable module
- ✦ Remote signaling
- ✦ Very low Up protection level



V: High-energy varistor
Ft: Thermal fuse
C: Remote signal contact
t*: Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics

SPD type	IEC	2
Network		DC or PV network 280Vdc
Nominal DC voltage	Un-dc	280 Vdc
Nominal PV voltage	Uocsc	280 Vdc
Max. AC operating voltage	Uc	275 Vac
Max. PV operating voltage	Ucpv	350 Vdc
Max. DC operating voltage	Uc	350 Vdc
Max. load current @25°C	IL	50 A
Residual Current Leakage current to Ground	I _{pe}	< 0.2 mA
PV Permanent Operating current Current consumption at Ucpv	I _{cpv}	< 0.1 mA
Follow current	If	None
Nominal discharge current 15 x 8/20 μs impulses	I _n	20 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I _{max}	40 kA
Total Maximum discharge current max. total withstand @ 8/20 μs	I _{max} Total	80 kA
Current withstand short circuit PV	I _{scpv}	1000 A
Connection mode(s)		+/-PE
Protection mode(s)		Common mode
Protection level +/-PE (-/PE) @ I _n (8/20μs)	Up	1200 V

Mechanical Characteristics

Technology		MOV
SPD configuration		2-poles
Connection to Network		By screw terminals: 1.5-10mm ² (active 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)		DSM240-280DC
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

310511