

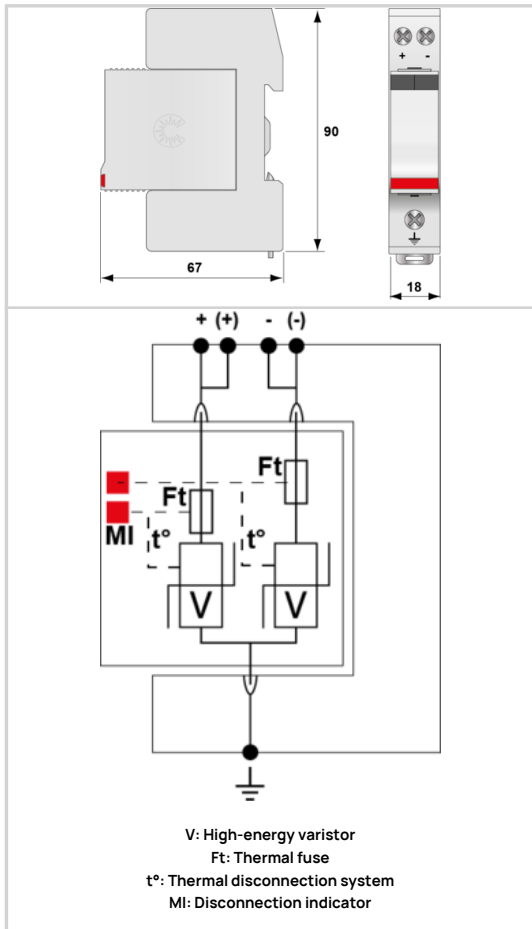


CITEL

DS240-280DC



- ↳ DC or PV power surge protector
- ↳ 280 Vdc
- ↳ Compact design
- ↳ I_{max}: 40 kA
- ↳ Pluggable module
- ↳ Remote signaling (option)
- ↳ Very low U_p protection level



Electrical Characteristics		
SPD type (following IEC tests)		2
Network		DC or PV network 280Vdc
Nominal DC voltage	Un-dc	280 Vdc
Nominal PV voltage	Uocstc	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	IL	20 A
Residual Current (Leakage current to Ground)	I _{pe}	< 0.1 mA
PV Permanent Operating current (Current consumption at Ucpv)	I _{cpv}	< 0.1 mA
Follow current	I _f	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 (@ I _n (8/20μs))	U _p	1200 V
Mechanical Characteristics		
Technology		MOV
SPD configuration		2 poles
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 (DIN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	T _u	-40/+85°C
Protection rating		IP20
Failsafe mode		disconnection from DC line
Disconnection indicator		2 mechanical indicators
Spare module(s)		DSM240-280DC
Remote signaling of disconnection		Option DS240S-280DC : output on changeover contact
Dimensions		See diagram
Weight		0.13 kg
Disconnectors		
Thermal disconnector		internal
Fuses		Fuses type gG - 50 A
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.4
Certification		UL / EAC / TÜV
Part number		



DC power surge protector - 280 Vdc

AC POWER

DS240-280DC

310501

