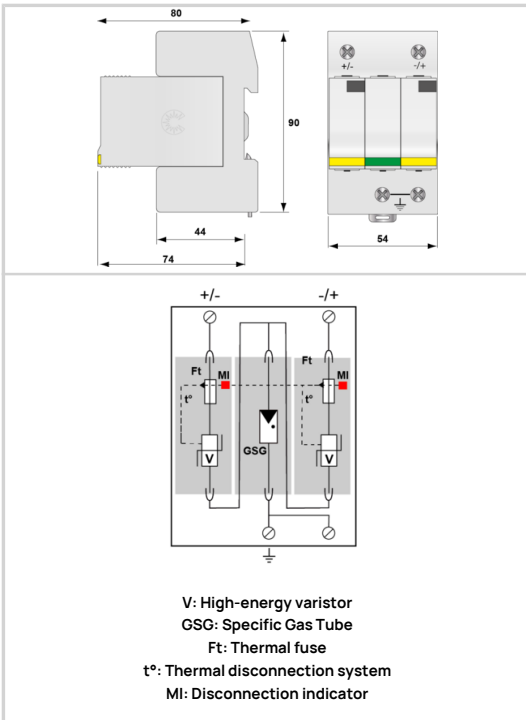


DS50PV-1000G/12KT1



- ↳ Type 1+2 surge protector for Photovoltaic
- ↳ Impulse currents  $I_{limp}/I_{total}$  : 6.25/12.5 kA (10/350 $\mu$ s)
- ↳ Common/Differential mode protection
- ↳ Remote signaling (option)
- ↳ IEC 61643-11 and EN 50539-11 compliance



Electrical Characteristics		
SPD type (following IEC tests)		1+2
Network		PV network 1000 Vdc
Nominal PV voltage	Uocstc	1000 Vdc
Max. PV operating voltage	Ucpv	1200 Vdc
Residual Current (Leakage current to Ground)	Ipe	None
PV Permanent Operating current (Current consumption at Ucpv)	Icpv	< 0.1 mA
Follow current	If	None
Nominal discharge current (15 x 8/20 $\mu$ s impulses)	In	15 kA
Max. discharge current (max. withstand @ 8/20 $\mu$ s by pole)	Imax	40 kA
Total Maximum discharge current (max. total withstand @ 8/20 $\mu$ s)	Imax Total	60 kA
Impulse current by pole (max. withstand 10/350 $\mu$ s by pole)	I <sub>limp</sub>	6.25 kA
Total lightning current (max. total withstand @ 10/350 $\mu$ s)	I <sub>total</sub>	12.5 kA
Current withstand short circuit PV	I <sub>scpv</sub>	15 000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
Protection level +/- (@ In (8/20 $\mu$ s))	Up	4.6 kV
Protection level +/PE (-/PE) (@ In (8/20 $\mu$ s))	Up	2.6 kV
Mechanical Characteristics		
Technology		MOV + GDT
Connection to Network		by screw terminals: 2.5-25 mm <sup>2</sup>
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
Disconnection indicator		2 mechanical indicators
Spare module(s)		DSM50PV-1000G/12KT1
Remote signaling of disconnection		Option DS50PVS-1000G/12KT1 - output on changeover contact
Dimensions		See diagram
Weight		0.39 kg
Disconnectors		
Thermal disconnector		Internal
Fuses		Without
Standards		
Standards compliance		IEC 61643-31 / EN 61643-31 / EN 50539-11
Certification		EAC / TÜV
Part number		
<b>482383</b>		

