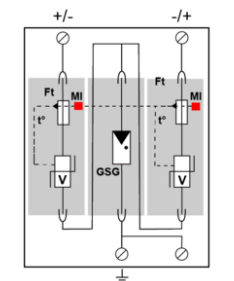
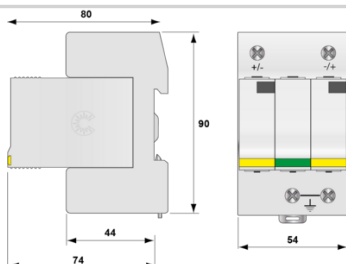


DS50PV-1000G/12KT1



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



V: High-energy varistor
GSG: Specific Gas Tube
Ft: Thermal fuse
t*: Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics	
SPD type	1+2
Network	PV network 1000 Vdc
Nominal PV voltage	Uocsc 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 μ s impulses	In 15 kA
Max. discharge current max. withstand @ 8/20 μ s by pole	Imax 40 kA
Total Maximum discharge current max. total withstand @ 8/20 μ s	Imax Total 60 kA
Impulse current by pole max. withstand 10/350 μ s by pole	Iimp 6.25 kA
Total lightning current max. total withstand @ 10/350 μ s	Itotal 12.5 kA
Current withstand short circuit PV	Iscpv 15 000 A
Connection mode(s)	+/-/PE
Protection mode(s)	Common/Differential mode
Protection level +/-@ In (8/20 μ s)	Up 4.6 kV
Protection level +/-PE (-/PE)@ In (8/20 μ s)	Up 2.6 kV
Mechanical Characteristics	
Technology	MOV+GDT
Connection to Network	By screw terminals: 2.5-25mm ²
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
Outdoor application	No
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	EN 61643-31 / EN 50539-11
Certification	EAC / TÜV
Part number	
482383	