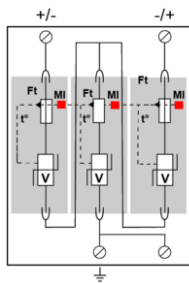
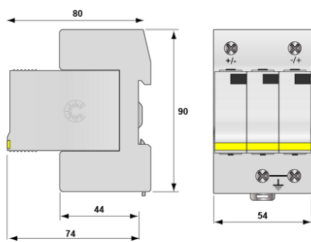


## DS50PV-1500/12KT1



- 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 61643-31, EN 61643-31 and EN 50539-11 certified
- UL1449 ed.5 compliance



V: Varistor  
Ft: Thermal fuse  
MI: Mechanical status indicator  
t\*: Thermal system disconnection

Electrical Characteristics	
SPD type	1+2
Network	PV network 1250 Vdc
Nominal PV voltage	Uocstc 1250 Vdc
Max. PV operating voltage	Ucpv 1500 Vdc
Residual Current Leakage current to Ground	Ipe < 0.3 mA
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	Iimp 6.25 kA
Total lightning currentmax. total withstand @ 10/350 $\mu$ 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 $\mu$ s)	Up 5.3 kV
Protection level +/PE (-/PE)@ In (8/20 $\mu$ s)	Up 5.3 kV
Mechanical Characteristics	
Technology	MOV
Connection to Network	By screw terminals: 2.5-25mm <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
Outdoor application	No
Disconnection indicator	1 mechanical indicator by pole
Spare module(s)	DSM50PV-1500/12KT1
Remote signaling of disconnection	Option DS50PVS-1500/12KT1 - output on changeover contact
Dimensions	See diagram
Disconnectors	
Thermal disconnector	Internal
Fuses	Without
Standards	
Standards compliance	IEC 61643-31 / EN 61643-31 / EN 50539-11 / UL1449 ed.5
Certification	EAC / TÜV
Part number	
482523	