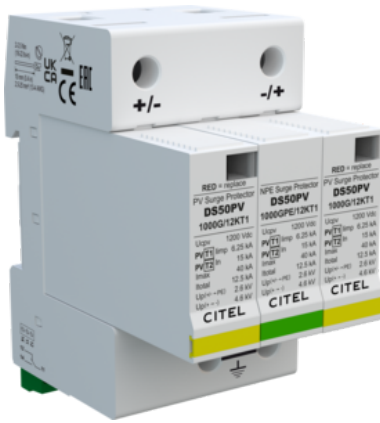
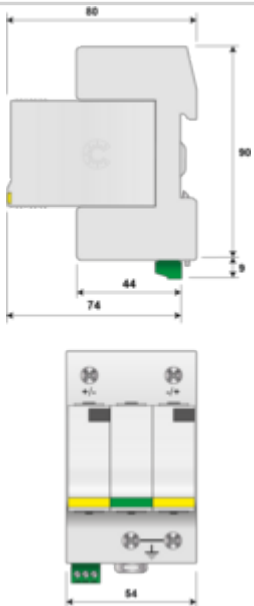
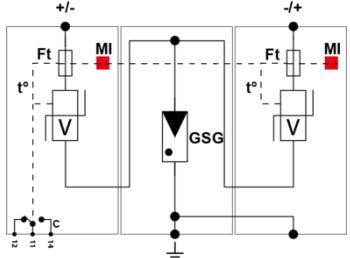


## DS50PVS-1000G/12KT1



- Type 1+2 surge protector for Photovoltaic
- Impulse currents  $I_{imp}/I_{total}$  : 6.25/12.5 kA (10/350 $\mu$ s)
- Common/Differential mode protection
- Remote signaling
- IEC 61643-31, EN 61643-31, EN 50539-11 and UL1449 ed.5 compliance



	<b>Electrical Characteristics</b>	
	SPD type	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	I <sub>max</sub>	40 kA
Total Maximum discharge current max. total withstand @ 8/20 $\mu$ s	I <sub>max</sub> Total	60 kA
Impulse current by pole max. withstand 10/350 $\mu$ s by pole	I <sub>imp</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
<b>Mechanical Characteristics</b>		
Technology	MOV+GDT	
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-2	
Operating temperature	Tu	-40/+85°C
Protection rating	IP20	
Disconnection indicator	2 mechanical indicators	
Spare module(s)	DSM50PV-1000G/12KT1	
Remote signaling of disconnection	Output on changeover contact	
Dimensions	See diagram	
Weight	0.396 kg	
<b>Disconnectors</b>		
Thermal disconnector	Internal	
Fuses	Without	
<b>Standards</b>		
Standards compliance	IEC 61643-31 / EN 61643-31 / EN 50539-11 / UL1449 ed.5	
Certification	TUV	
<b>Part number</b>		
482393		
 <p>V: High-energy varistor GSG: Specific gas tube Ft: Thermal fuse C: Remote signaling contact t*: Thermal disconnection system MI: Disconnection indicator</p>		