



## DS50PVS-1500/10KT1

- Type 1+2 surge protector for Photovoltaic
- Impulse currents  $I_{imp}/I_{total}$  : 5/10 kA (10/350 $\mu$ s)
- Common/Differential mode protection
- Remote signaling
- EN 50539-11 compliance

Electrical Characteristics		
SPD type <i>follow test IEC 61643-11</i>		1+2
Network		PV network 1250 Vdc
PV Network voltage	Uocstc	1250 Vdc
Max. PV operating voltage	Ucpv	1500 Vdc
Residual Current <i>Leakage current to Ground</i>	Ipe	< 0.3 mA
PV Permanent Operating current <i>Current consumption at Ucpv</i>	Icpv	<0.1 mA
Follow current	If	none
Nominal discharge current <i>15 x 8/20 <math>\mu</math>s impulses</i>	In	15 kA
Max. discharge current <i>max. withstand @ 8/20 <math>\mu</math>s by pole</i>	Imax	40 kA
Total Maximal discharge current <i>max. total withstand @ 8/20 <math>\mu</math>s</i>	Imax Total	60 kA
Impulse current by pole <i>max. withstand 10/350<math>\mu</math>s by pole</i>	Iimp	5 kA
Total lightning current <i>max. total withstand @ 10/350<math>\mu</math>s</i>	Itotal	10 kA
Current withstand short circuit PV	Iscpv	1000 A
Connection mode		+/-/PE
Protection mode(s)		MC/MD
Protection level CM/DM <i>@ In (8/20<math>\mu</math>s)</i>	Up mc/ md	5.3 kV/5.3 kV
Mechanical Characteristics		
Connection to Network		Screw terminals: 2.5-25mm <sup>2</sup>
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN60715)
Housing material		Thermoplastic UL94-V0
Operating temperature		-40/+85°C
Protection rating		IP20
Disconnection indicator		1 mechanical indicator by pole
Spare module		DSM50PV-1500/10KT1



Disconnectors		
Thermal disconnecter		internal
Fuses		sans
Norms		
Standards compliance		EN 50539-11
<b>Code article</b>		480573