



V: High-energy varistor
 Ft: Thermal fuse
 C: Remote signal contact
 t*: Thermal disconnection system
 MI: Disconnection indicator

Electrical Characteristics	
SPD type (following IEC tests)	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 μs impulses)	In 15 kA
Max. discharge current (max. withstand @ 8/20 μs by pole)	Imax 40 kA
Total Maximum discharge current (max. total withstand @ 8/20 μs)	Imax Total 60 kA
Impulse current by pole (max. withstand 10/350μs by pole)	Iimp 6.25 kA
Total lightning current(max. total withstand @ 10/350μs)	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 +/-PE (-/PE)(@ In (8/20μs))	Up 5.3 kV
Mechanical Characteristics	
Technology	MOV
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	1 mechanical indicator by pole
Spare module(s)	DSM50PV-1500/12KT1
Remote signaling of disconnection	Output on changeover contact
Dimensions	See diagram
Weight	0.477 kg
Disconnectors	
Thermal disconnector	Internal
Fuses	Without
Standards	
Standards compliance	IEC 61643-31 / EN 61643-31 / EN 50539-11
Certification	EAC
Part number	
482573	

