



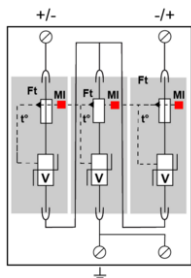
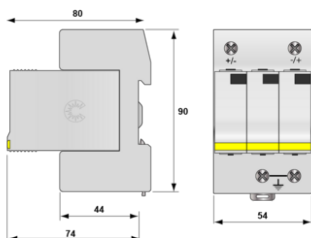
CITEL

Type 1+2 PV surge protector - 1500 V

DS50PV-1500/12KT1



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



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 μ s impulses	In 15 kA
Max. discharge current max. withstand @ 8/20 μ s by pole	I _{max} 40 kA
Total Maximum discharge current max. total withstand @ 8/20 μ s	I _{max} Total 60 kA
Impulse current by pole max. withstand 10/350 μ s by pole	I _{imp} 6.25 kA
Total lightning current max. total withstand @ 10/350 μ s	I _{total} 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 5.3 kV
Protection level +/-PE (-/PE) @ In (8/20 μ s)	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
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
Weight	0.475 kg

Disconnectors

Thermal disconnector	Internal
Back-up protection device	Without

Standards

Standards compliance	IEC 61643-31 / EN 61643-31 / EN 50539-11 / UL1449 ed.5
Certification	TUV

Part number

482523

