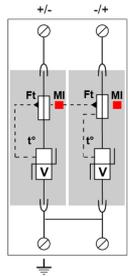
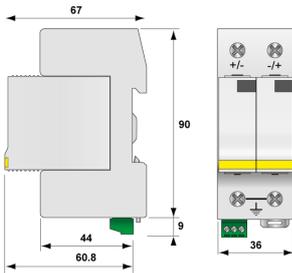




- ✦ Type 2 surge protector for Photovoltaic
- ✦ PV Voltage: 500 Vdc
- ✦ In : 15 kA
- ✦ I<sub>max</sub> : 40 kA
- ✦ Pluggable module
- ✦ Remote signaling (option)
- ✦ IEC 61643-31/EN61643-31 compliance



V: High-energy varistor  
 Ft: Thermal fuse  
 t\*: Thermal disconnection system  
 MI: Disconnection indicator

#### Electrical Characteristics

SPD type	IEC	2
Network		PV 500 Vdc
Nominal PV voltage	U <sub>ocstc</sub>	500 Vdc
Max. PV operating voltage	U <sub>cpv</sub>	600 Vdc
Residual Current Leakage current to Ground	I <sub>pe</sub>	< 0.2 mA
PV Permanent Operating current Current consumption at U <sub>cpv</sub>	I <sub>cpv</sub>	< 0.1 mA
Follow current	I <sub>f</sub>	None
Nominal discharge current 15 x 8/20 μs impulses	I <sub>n</sub>	15 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I <sub>max</sub>	40 kA
Total Maximum discharge current max. total withstand @ 8/20 μs	I <sub>max Total</sub>	60 kA
Current withstand short circuit PV	I <sub>scpv</sub>	15 000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common mode
Protection level +/-/PE (-/PE) @ I <sub>n</sub> (8/20μs)	U <sub>p</sub>	2.2 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	T <sub>u</sub>	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection SPD of the PV line
Disconnection indicator		2 mechanical indicators
Spare module(s)		DSM50PV-500/51
Remote signaling of disconnection		Option DS50PVS-500/51 - output on changeover contact
Dimensions		See diagram

#### Disconnectors

Thermal disconnector		Internal
Back-up protection device		Without

#### Standards

Standards compliance		EN 61643-31 / EN 50539-11
Certification		

#### Part number

480121
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