

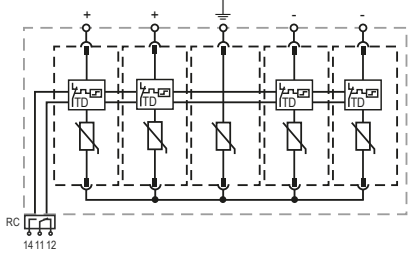
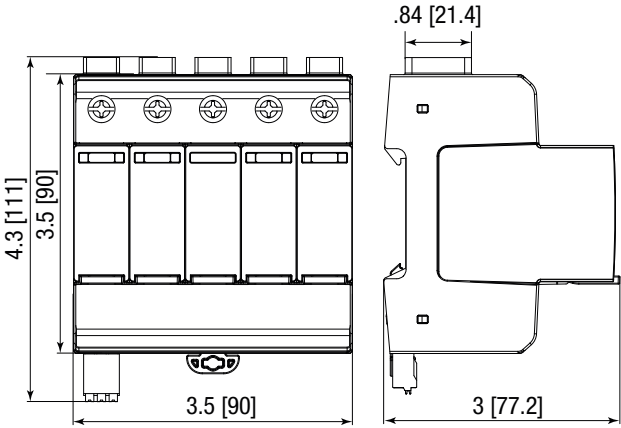
DATASHEET

Pluggable Multi-Pole SPD for Photovoltaic Systems	
OVP I 5+0 R PV 1100V DC/10kA	
Class I - Class II - Type 1 - Type 2	
Location of Use:	String box, Inverter
Mode of Protection:	(+) - PE, (-) - PE, (+) - (-)
Housing:	Pluggable Design
Compliance:	IEC 61643-31:2018
	EN 61643-31:2019



OVP I 5+0 R PV 1100V DC/10kA		1100
U _{CPV}	Maximum Continuous Operating DC Voltage	1100 V
I _n	Nominal Discharge Current (8/20 μs)	20 kA
I _{imp}	Impulse Discharge Current (10/350 μs)	5 kA
W/R	Specific Energy	6.25 kJ/Ω
Q	Charge	2.5 As
I _{Total}	Total Discharge Current (10/350 μs)	10 kA
I _{Total}	Total Discharge Current (8/20 μs)	50 kA
I _{max}	Maximum Discharge Current (8/20 μs)	40 kA
U _p	Voltage Protection Level (+/-) - PE	3800 V
U _p	Voltage Protection Level (+) - (-)	3800 V
I _{SCPV}	Short-Circuit Current Rating	11 kA
	Number of Ports	1
U _{res}	Residual Voltage at 5 kA (8/20 μs)	3000 V
T _a	Operating Temperature Range	-40 °F to +185 °F [-40 °C to +85 °C]
RH	Permissible Operating Humidity	5%...95%
	Pollution Degree	2
	Altitude (max)	13123 ft [4000 m]
M _{max}	Terminal Screw Torque	40 lbf-in [4.5 Nm]
	Conductor Cross Section (max)	2 AWG (Solid, Stranded) / 4 AWG (Flexible)
		35 mm² (Solid, Stranded) / 25 mm² (Flexible)
	Mounting	35 mm DIN Rail, EN 60715
	Degree Of Protection	IP 20 (built-in)
	Housing Material	Thermoplastic: Extinguishing Degree UL 94 V-0
	Thermal Protection	Yes
	Operating State / Fault Indication	Green Flag / Not Green Flag
	Remote Contacts (RC)	Optional
	RC Switching Capacity	AC: 250 V / 1A, 125 V / 1 A; DC: 48 V / 0.5 A, 24 V / 0.5 A, 12 V / 0.5 A
	RC Conductor Cross Section (max)	16 AWG (Solid) / 1.5 mm² (Solid)

DATA SHEET

Internal Configuration		Dimension drawing inches [mm]
+/-	+/- Conductor Terminal	
	PE/G Conductor Terminal	
RC	Remote Contacts Terminal (optional)	
TD	Thermal Disconnect	
		
Order Information		
1762	OVP I 5+0 R PV 1100V DC/10kA	59.A488
Packaging Information Complete Unit		
OVP I 5+0 R PV 1100V DC/10kA		
Weight	pounds [grams]	1.552 [704]
DIN 43880 Dimension		5 TE / 3.5" [90]
Packaging Dimensions (HxWxL)		4.3 x 4.5 x 13.8" [109 x 115 x 352 mm]
Standard Order Quantity		3 Units