

Blitz-Wall

Blitz-Wall is an overcurrent and overvoltage protective device. GTD components have been used for its implementation in full compliance with **IEC 61643-311 regulation**.

Measurement features

Blitz-Wall device protects the sensor against power surges from lightning for all types of 12÷30 Vdc power supply sensors, with analog and digital signal.

Blitz-Wall employs Gas Tube Discharge (GTD) that allow the reactivation of system shutdowns due to short-circuit currents.

It is very useful for systems where sensor integrity needs to be preserved during adverse weather conditions.

4 different types of connections are available according to the sensor to be protected:

- With M12 (for Sunmeters)
- With M8 (for Litemeter series)
- With M9 (for most diffused pyranometers)
- With M16 (for other pyranometers)

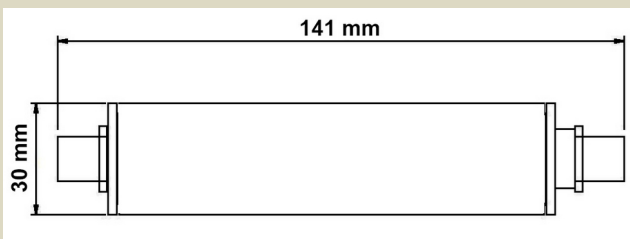
Most common uses

Blitz-Wall is placed on the same cable where a Sunmeter is installed; after the sensor connector and before the monitoring system.

Physical characteristics

Acrylic polymer casing, encapsulated with UV resistant resin.

Dimensions



Name	BLITZ-WALL	
Type of product	Overvoltage & Overcurrent protector	
Reference standards	IEC61643-311	
Channels	2 + 2 wires (typically supply and data ch.)	
Nominal Voltage	24V	
Impulse transverse delay	1000V/us	< 75 ns
Insulation Resistance	50V	10 ⁹ Ω
DC Holdover voltage	52V	< 150ms
Current Service life	10 us, 10kA 1 operation	
	5 us, 6kV, 2kA 10 operations	
	10 us, 6kV, 500A 150 operations	
	600Vrms, 0.5 ÷ 60A Fail short activates, 9000 oper.	
Supply channel inductance	30 mH / 2.6 Ω	
Data channel inductance	40 uH / 40 Ω	
Encapsulation	Resin	
Case	UV resistant ABS polymer IP67 degree	
Operating Temperature	-25 ÷ +80°C	
Connectors	Standard M12 8 pin male and M12 8 pin female IP67 degree	
Dimensions	Φ 30 x 153.3 mm with connectors	