

PV Protect 1000-125

Surge protection device for PV systems

Description

The LORENTZ PV Protect 1000-125 is an outdoor surge protection device for PSk solar pump systems; it will provide a higher level of protection against electrical surges from the PV generator, usually caused by indirect lightning strikes.

This product should be installed between the PV generator and the pump controller.

For operation it requires a reliable ground connection.



Photo may differ from actual product

Features

- Provides enhanced protection to the pump controller from incoming voltage surges
- Robust weatherproof housing designed to make installation simple
- Tool required to open the housing
- Lockable for additional protection
- Correct grounding is required to make this device effective
- Required for a professional installation of solar pumping systems

Technical Data

Product name	PV Protect 1000-125
Ambient temperature	-30°C to 50°C (-22°F to 120°F)
Max. Voltage	1000 V DC
Max. current per string	125 A
Max. total current	125 A
Input cable size	10 - 35 mm ² / AWG 8 - 2
Output cable size	10 - 35 mm ² / AWG 8 - 2
Ground cable size	≥ 16 mm ² / AWG 6
PG glands (input)	2 x PG16
PG glands (output)	2 x PG16
PG gland GND	1 x PG16
Enclosure class	IP 68
Housing material	Polycarbonate
Approvals and standards	EN 60204-1 - EN 61000 - EN 61643

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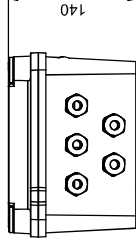
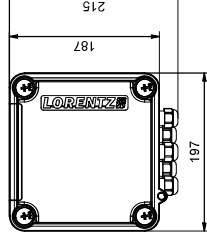
Compatibility

- For use with LORENTZ PSK controllers.



Product dimensions and weight

Dimensions [LxWxH]	215 x 140 x 197 mm [8.6 x 5.5 x 7.8 in]
Net Weight	1.8 kg [3.9 lbs]



Mounting options

- Wall mount using 4 holes with weather protection.
- Designed for optional pole mounting. Mounting points are pre-marked inside the housing.

Mounting hole distances [WxH, Hole diameter]

160 x 150, Ø6 mm [6.3 x 5.9, Ø0.236 in]
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Order and Packaging information

Item number	19-001970
Product name	PV Protect 1000-125
Packed gross weight	2.4 kg [5.3 lbs]
Packed volume	0.0125 m ³ [0.44 ft ³]
Packaging dimensions [LxWxH]	250 x 250 x 200 mm [9.8 x 9.8 x 7.8 in]