

PD-12FG

Power & Data Line Surge Protector For Long Range Reader

LPS



Consist of data and high power (12V, 5A) protection in a single device.

Features:

- PD series is ideal for RS485, RS 422, RS 423, Ethernet signal of instrumentation interfaces and equipment such as long range RFID reader, servers, card reader that uses high power 12V DC supply.
- Protects sensitive data networks against lightning induced surges without impairing the system normal operation or cause excessive in line resistance
- PD series employs multistage protection with GDT for primary protection then linked by a second stage series impedance and semiconductor voltage dependant device to provide unsurpassed performance in lightning surge protection

Data Protection Specification

Technical Specification	Description
Number of wire to be protected	2 wires
Signal Type	RS 422, RS 423, RS485, LAN
Nominal Operating Signal Voltage	±12V
Max. Operating Signal Voltage	±18V
Standard Clamp Voltage @ 1mA	22V
Let-through Voltage (Line - Line) @ MS IEC 61643-21:2012	41V@C3
Max. Surge Current per pair @ 8/20µs	10kA
Maximum Shunt Capacitance	<30pF
-3db Band width @ 110 ohm circuit	DC - 150MHz
Insertion Loss @ 600 ohm circuit	<0.1db
Max. Signal Current (Line-Line)	350mA
Protection Modes	Common and Transverse Modes
Earth	Floating Earth
Connector Interface	Pluggable crew Terminal
Operation & Storage Temperature	-40°C to +70°C

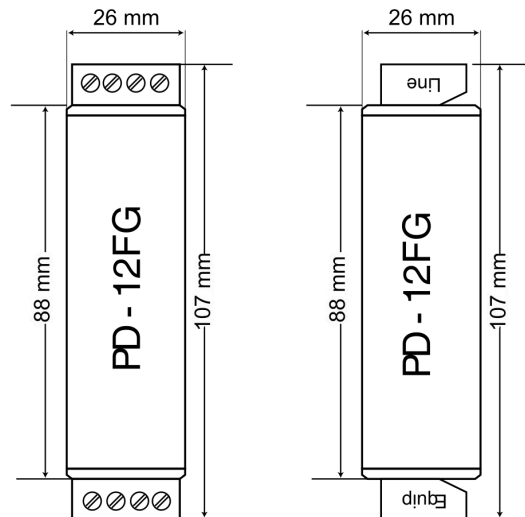
12V Power Protection Specification

Technical Specification	Description
Number of wire to be protected	2
Nominal Operating Voltage	± 12V
Max. Operating Voltage	± 18VDC
Standard Clamp Voltage @ 1mA	22V
Left-through Voltage (Line-Line)@ MS IEC 61643-21:2012	23V@D1
Max. Surge Current 8/20 µs	10kA
Max Loading Current	5A
Earth	Floating Earth
Protection Modes	Common and Transverse Modes
Inductance Per Wire	14µH
Connector Interface	Pluggable screw Terminal
Operation & Storage Temperature	-40°C to +70°C

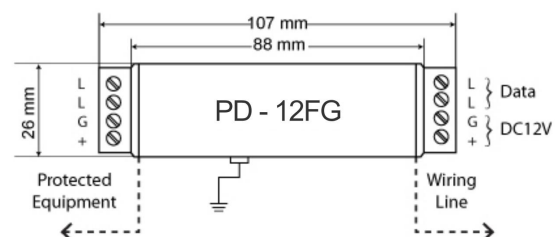
Ordering Info

Protected Wires	Model Number
2 wire data 2 wire 12V, 5A power	PD 12FG

Dimension



Connection Diagram



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