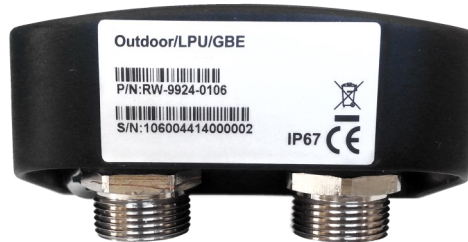


RADWIN Accessories

RW-9924-0106 Outdoor Lightning Protector - Data Sheet



Lightning Protector

Product Description

RADWIN RW-9924-0106 is an external lightning protection unit supporting data and signal surge protection over PoE.

RADWIN RW-9924-0106 offers outdoor data line series protection designed to support Ethernet applications including 10/100 and 1000 BaseT interfaces with PoE.

RW-9924-0106 incorporates high-power gas discharge tube and current transistor protection in a single protector unit.

Product Highlights

- Support data rates of up to 1000Mbps
- Enclosure rating of IP67 for all outdoor conditions
- Small form factor
- High data voltage protection
- Fast response with RADWIN outdoor and indoor products
- Pole and Wall mounting kits
- Simple installations, ease of operation and maintenance

Product Specifications

Electrical	
Compatible Interfaces	10/100/1000BaseT
Data Rates	Up to 1000Mbps
Nominal Operational Voltage	48 VDC
Maximum Operational Voltage	60 VDC - 650 mA
Maximum Continuous current	1 A
Impedance	90 to 110 Ohm
Connection type	RJ45 CAT5e STP (shielded)
Pin-out	8 wires + shielding
Pins Protected	All pins protected
Response time	<5 microseconds (with ODU)
Nominal discharge currents	
Line to Line	500 A @ 8/20 μ s
Line to Ground	2000 A @ 8/20 μ s
Impulse Discharge Current	
20000 A, 8/20 μ s	1 operation minimum
10000 A, 8/20 μ s	> 10 operations
2000 A, 10/350 μ s	1 operation
200 A, 10/1000 μ s	> 300 operations
200 A, 10/700 μ s	> 500 operations
Impulse Spark-over	
DC Spark-over $\pm 20\%$ @ 100 V/s	150 V
100 V/ μ s	350 V
1000 V/ μ s	500 V
Capacitance	< 2 pF
DC Holdover Voltage	80V
Mechanical	
Enclosure	Metal
Connection to bonding Network	Screw
Dimensions	98.4 x 51.9 x 47.8 mm
Weight	220 gram
Environmental	
Operating temperature	-40 to +60
Storage temperature	-50 to +70
Enclosure rating	IP67
Humidity	100% non condensing

Ordering Information

Part Number: RW-9924-0106

Description: RADWIN External Lightning Protection Unit supporting 100BaseT and 1000BaseT interfaces and signal surge protection over power over Ethernet (including 0.5m CAT5e cable and metal band)

Corporate Headquarters, T. +972.3.766.2900, E. sales@radwin.com, www.radwin.com

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