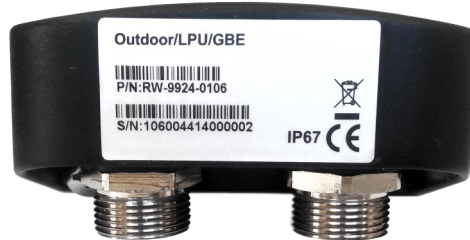


## RADWIN Accessories

### 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

<b>Electrical</b>	
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)
<b>Nominal discharge currents</b>	
Line to Line	500 A @ 8/20 $\mu$ s
Line to Ground	2000 A @ 8/20 $\mu$ s
<b>Impulse Discharge Current</b>	
20000 A, 8/20 $\mu$ s	1 operation minimum
10000 A, 8/20 $\mu$ s	> 10 operations
2000 A, 10/350 $\mu$ s	1 operation
200 A, 10/1000 $\mu$ s	> 300 operations
200 A, 10/700 $\mu$ s	> 500 operations
<b>Impulse Spark-over</b>	
DC Spark-over $\pm 20\%$ @ 100 V/s	150 V
100 V/ $\mu$ s	350 V
1000 V/ $\mu$ s	500 V
Capacitance	< 2 pF
DC Holdover Voltage	80V
<b>Mechanical</b>	
Enclosure	Metal
Connection to bonding Network	Screw
Dimensions	98.4 x 51.9 x 47.8 mm
Weight	220 gram
<b>Environmental</b>	
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)

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