

SENCITY® Spot-S WiFi Antenna 1324.19.0057

Description

Small directional, planar, linear vertical polarized WiFi antenna with 8.5 dBi gain
 WLAN IEEE 802.11 b/g - WiFi band 2.4 - 2.485 GHz
 Rugged design, meets EN 50155 railway and EN 60068 industrial standards
 Fire retardant acc. to EN 45545-2 and NFPA130
 For outdoor and indoor applications
 Ingress protection IP 66 and IP 67

Wall mounting material included



Product Configuration

Technical Data

Electrical Data

| | Band 1 |
|------------------------------|-------------|
| Frequency (MHz) | 2400 - 2500 |
| VSWR | 1.5 |
| Impedance (Ohm) | 50 |
| Gain (dBi) | 8.5 |
| 3dB beamwidth (h) (°) | 75 |
| 3dB beamwidth (v) (°) | 75 |
| Composite power max (W) | 30 |
| Ambient temperature (°C) | 25 |
| Front to back ratio (dB) | 12 |
| Vertical electrical tilt (°) | 0 |

Ports

| | Port 1 |
|--------------|--------------------|
| Connector | SMA, jack (female) |
| Polarization | vertical |
| DC grounded | Yes |

General Data

Mechanical Data

| | |
|----------------------------|---|
| Dimensions (mm) | 101 x 81 x 36 (Height x Width x Depth) |
| Weight (kg) | 0.11 |
| Windload | frontal: 15 N at 160 km/h , Wind speed survival: 220 km/h |
| Included mounting material | Wall mounting material |

Environmental Data

| | |
|--|------------------------|
| Environmental conditions | indoor/outdoor |
| Operation temperature (°C) | -40 to 85 |
| Storage temperature (°C) | -40 to 85 |
| Transport temperature (°C) | -40 to 85 |
| Flammability rating | EN 45545-2 |
| 2011/65/EU (RoHS - including 2015/863 and 2017/2102) | compliant |
| Lead-free soldered | yes |
| WEEE 2012/19/EU | special marking needed |
| REACH 1907/2006/EC | compliant |

FLAMMABILITY: EN 45545-2 (2013) HL3 and NFPA130 (2013), also BS 6853 and DIN 5510-2

ENVIRONMENT: Meets EN 50155 (2016) and EN 60068 related tests

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IP RATING: IP 66 / IP 67 (IEC 60529)

SOLAR RADIATION: EN 50125-3:2004 §4.9, 1120 W/m² for 20h

AIR PRESSURE: EN 50125-3:2004 §4.2, Altitude Class A1 (up to 1400m)

AIR PULSE PRESSURE: EN 50125-3:2004 §4.2, 1 kPa/s

RAIN: EN 50125-3:2004 §4.6, delivery rate: 6 mm/min

VIBRATION / SHOCK: EN 50125-3:2004 §4.13, position profile: "outside the track"

POLLUTION: EN 50125-3:2004 §4.11, pollution levels: 4B1, 4S1

CORROSION: MIL-F-14072 E Type 1 "exposed"

MECHANICAL IMPACT (HAMMER IMPACT): EN 60068-2-75 (IEC 62262/2002-02 IK06)

Material Data

| | |
|-----------------|--------------------|
| Radome colour | RAL 7044 (grey) |
| Radome material | PC (Polycarbonate) |

Related Products

9091.99.0238 Outdoor Spot-S Antenna Down-Sidetilt Bracket

9091.99.0237 L-Bracket for SPOT-S antennas

Related Documents

| | |
|----------------------|----------------|
| Mounting instruction | DOC-0000287053 |
| Painting instruction | DOC-0000256180 |
| Security instruction | DOC-0000278984 |
| Outline drawing | DOU-00126557 |
| 3D-model | DOC-0000331433 |

Additional Information

Following Declaration of Conformity for SENCITY Spot-S antennas are available on request: * Industrial standards EN 60068 / EN 60529 / IEC 61373: Ref. DOC-0000318049 * Railway rolling stock, environmental standards EN 50155 and fire behaviour EN 45545-2k, NFPA130: Ref. DOC-0000380375