

SENCITY® Spot-S WiFi Antenna 1356.17.0077

SPA-5600/40/14/0/V_2

Description

Directional, planar, linear vertical polarized WiFi antenna with 14 dBi gain
 WLAN IEEE 802.11 a/h/p - WiFi bands 5.15 to 5.975 GHz
 Approved acc. to EN 50155 (2007) and EN 45545-2 (2012) for railway rolling stock and EN 50125-3 (2003) for railway signalling and telecommunications on track-side
 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)	5150 - 5975
VSWR	1.5
Impedance (Ohm)	50
Gain (dBi)	14
3dB beamwidth (h) (°)	40
3dB beamwidth (v) (°)	35
Front to back ratio (dB)	20
Vertical electrical tilt (°)	0

Ports

	Port 1
Connector	N, jack (female)
Polarization	vertical

General Data

Composite Power max (W) 10

- Meets EN 50155 railway standard fire retardant acc. to DIN 5510-2, EN 45545-2, BS 6853, and outdoor use acc. to NF F16-101/102
- Meets environmental standards according to EN 60068

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 outdoor
 Operation temperature (°C) -40 to 85
 Storage temperature (°C) -40 to 85
 Transport temperature (°C) -40 to 85
 Flammability rating UL 94-V0
 Solar radiation UL 746C, F1
 RoHS 2011/65/EC compliant
 Lead-free soldered yes
 REACH 2006/1907/EC compliant

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

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

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AIR PRESSURE: EN 50125-3:2004 §4.2, Altitude Class A1 (up to 1400m)
AIR PULE 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-00139088
3D-model	DOC-0000344268

Additional Information

Following Declaration of Conformity for SENCITY® Spot-S antennas are available on request: * Industrial standards EN 60068 / EN 60529 / IEC 61373 s ref. DOC-0000318049 * Railway rolling stock, environmental standards EN 50155 and fire behaviour EN 45545-2 ref. DOC-0000380375 * Railway trackside, environmental standards EN 50125-3 and fire behaviour EN 45545-2 ref. DOC-0000411396