

## SENCITY® Spot-S WiFi Antenna 1356.26.0017

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  
 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	TNC, jack (female)
Polarization	vertical

#### General Data

DC Grounding	Yes
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	EN 45545-2
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/m<sup>2</sup> for 20h

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

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

### 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-00139616
3D-model	DOC-0000411476

### 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