

SENCITY® Spot-S Wi-Fi Antenna

1324.17.0098

Properties

- Compact Industrial antenna for Wi-Fi bands between 2400 and 2500 MHz
- Gain of 8.5 dBi and half power beamwidth of 75° (vertical) and 75° (Horizontal)
- Rugged design, meets EN 50155 and EN50125-3 Railway Standards
- Fire retardant according to EN 45545-2 and NFPA-130
- For both indoor and outdoor mounting with IP rating IP66 & IP67
- Wall mounting material included



Electrical bands	
	Band 1
Frequency	2400 MHz ... 2500 MHz
VSWR	1.5
Impedance	50 Ω
Gain	8.5 dBi
HPBW vertical	75 °
HPBW horizontal	75 °
Vertical Electrical Tilt	0 °
Front to back ratio	12 dB
Ambient Temperature	25 °C
Composite Power max	30 W

Ports	
	Port 1
Connector	N, jack (female)
Polarization	vertical
DC grounded	Yes

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Connections	
Port number	Port 1
Band 1	

Mechanical data	
Weight	0.11 kg
Dimensions	101 mm x 81 mm x 36 mm (Height x Width x Depth)
Windload	front: 15 N at 160km/h, Wind Speed survival: 220 km/h

Interface and material data	
Radome material	PC (Polycarbonate)
Radome colour	RAL 7044 (grey)

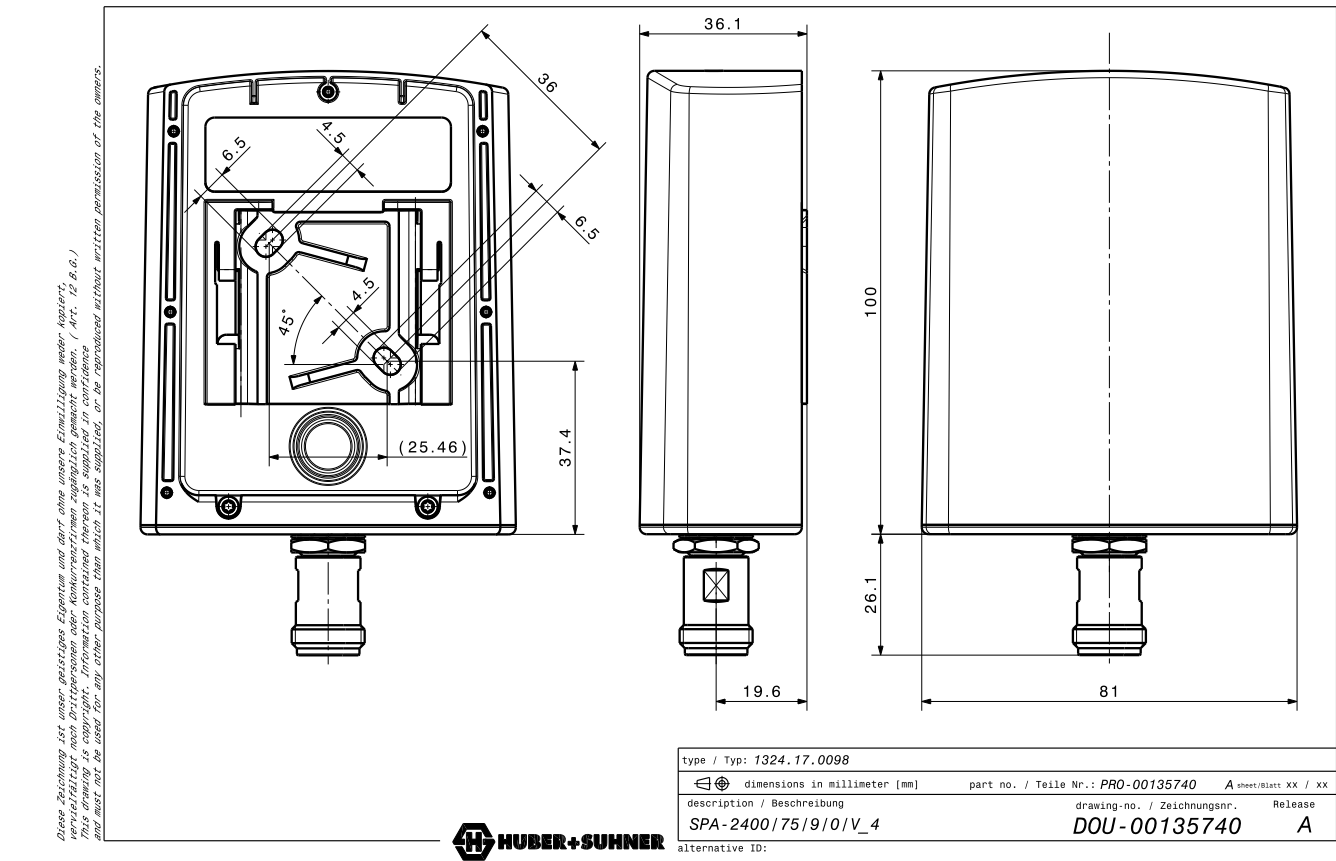
Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Transport temperature	-40 °C ... 85 °C
Environment (application)	Indoor/Outdoor
Ingress protection (IP Rating)	IP 66 / IP 67
Flammability rating	EN 45545-2

Environmental remarks	
FLAMMABILITY: EN 45545-2 (2013) HL3 and NFPA130 (2013), also BS 6853 and DIN 5510-2 ENVIRONMENT: EN 50155 (2016) and EN 50125-3 (2003), also EN 60068 related 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)	

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 45545-2 NFPA130 ref. DOC-0000380375 * Railway trackside, environmental standards EN 50125-3 and fire behaviour EN 45545-2 ref. DOC-0000411396	

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Outline drawing



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