

SENCITY® Spot-S 2x2 Wi-Fi MIMO Antenna
1324.17.0099

Properties

- Compact Industrial antenna for Wi-Fi bands between 2400 and 2485 MHz
- Gain of 8 dBi with dual slant +/-45° polarisation
- 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 ... 2485 MHz	
VSWR	1.5	
Impedance	50 Ω	
Gain	8 dBi	
HPBW vertical	70 °	
HPBW horizontal	75 °	
Isolation between Ports	25 dB	
Front to back ratio	14 dB	
Ambient Temperature	25 °C	
Composite Power max	50 W	

Ports		
	Port 1	Port 2
Connector	N, jack (female)	N, jack (female)
Polarization	-45° slant	+45° slant

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Connections		
Port number	Port 1	Port 2
Band 1		

Mechanical data	
Weight	0.11 kg
Dimensions	100 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)

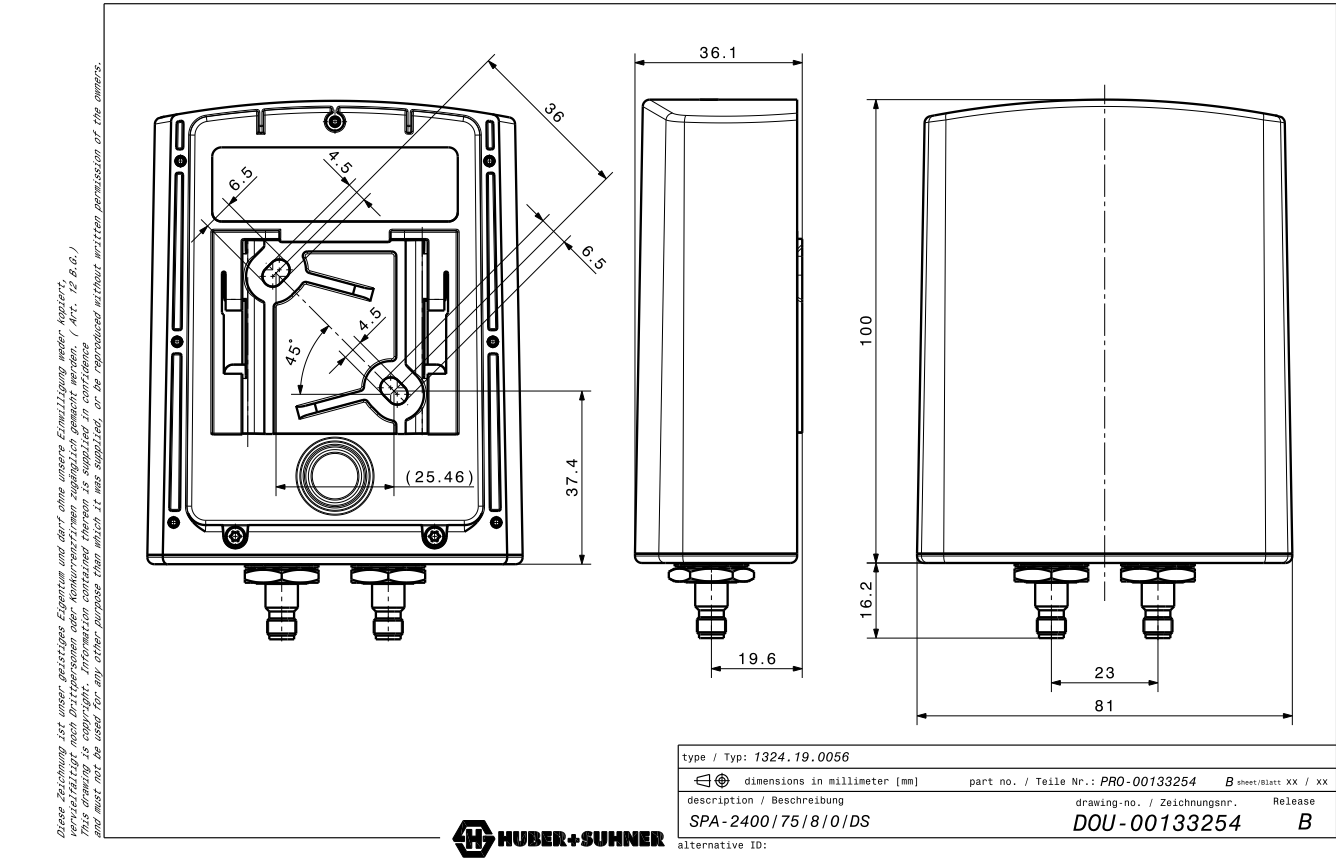
Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Transport temperature	-40 °C ... 85 °C
Environment (application)	Indoor/Outdoor
Ingress protection (IP Rating)	IP 66 / IP 67
Flammability rating	EN 45545-2

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 45545-2k, NFPA130: Ref. DOC-0000380375 * Railway trackside, environmental standards EN 50125-3 and fire behavior EN 45545-2: Ref. DOC-0000411396

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Outline drawing



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