

SENCITY SPOT-S 3x3 WiFi MIMO Antenna 1356.35.0003

SPA-5600/65/9/0/MIMO_1

Description

Sencity® SPOT-S Directional WiFi-Antenna for MIMO standard
 802.11 a/h and 802.11n, 3 QMA-f ports
 WLAN 5.6 GHz band
 For outdoor applications
 Meets EN 50155 railway standard, fire retardant acc. to DIN 5510-2, BS 6853, NF F16-101/102
 Railway approved acc. to EN 50125-3 and EN 45545-2

"Wall mounting material included"



Product Configuration

Technical Data

Electrical Data

	Band 1
Frequency (MHz)	5150 - 5935
VSWR	1.7
Gain (dBi)	8
3dB beamwidth (h) (°)	65
3dB beamwidth (v) (°)	65
Vertical electrical tilt (°)	0
Isolation between ports (dB)	17

General Data

Connector QMA, jack (female), bottom
 Composite power max. 2 W at ambient temperature 25 °C

Polarisation: vertical / dual-slant $\pm 45^\circ$

Electrical data (VSWR, Gain and beam width) is derived the vertical polarized radiator of this MIMO antenna.

Mechanical Data

Dimensions (mm) 101 x 81 x 36 (Height x Width x Depth)
 Weight (kg) 0.27
 Windload frontal: 15 N at km/h , Wind speed survival: km/h
 Included mounting material Wall mounting material

Radome material: LEXAN EXL 9330

Environmental Data

Environmental conditions outdoor
 Operation temperature (°C) -40 to 85
 Operating conditions ETSI EN 300 019-2-4 V2.2.2 (2003-04) T4.1E
 Storage 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

Vibration and mechanical shock: IEC 61373, Cat. 2

Ingress protection: IP66 and IP67 according to EN 60529

IP rating can only be achieved with the use of waterproof

QMA-m cable connectors for the jumper cables.

For more information please consult:

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<http://www.hubersuhner.com/hs-p-rf-con-gr-series-ipqma.htm>
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, 1kPa/s
Rain EN 50125-3:2004 §4.6, delivery rate: 6mm/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"

Material Data

Radome colour RAL 7044 (grey)

Related Products

9091.99.0238 Down_Sidetilt Bracket_SencitySpot-S outdoor
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-00182690
3D-model	DOC-0000393287