

# HUBER+SUHNER® DATA SHEET

## Sencity® SPOT-S Antenna: 1356.17.0078



Rev.: Y

### SPA-5600/65/9/0/MIMO

#### Description

Sencity® SPOT-S directional WiFi-Antenna for MIMO standard  
802.11 a/h/n, 3 ports  
WLAN 5.6 GHz band  
5.15 up to 5.935 GHz  
For outdoor applications



#### Product Configuration

#### Technical Data

##### Electrical Data

	<b>Band 1</b>
Frequency (MHz)	5150 - 5935
VSWR	1.7
Gain	9 dBi
3dB beamwidth (h) (°)	65
3dB beamwidth (v) (°)	65
Vertical electrical tilt (°)	0
Isolation between port	20 dB

##### General Data

Nominal impedance	50 Ω
Connector	N, plug (male), bottom
Pigtail	Type: SUCOFORM_86_LSFH, Length: 0.9 m
Composite power max.	2 W at ambient temperature 25 °C
MIMO antenna polarization:	3 x linear: vertical / dual-slant ±45°

Electrical data (VSWR, gain and beam width) is derived from the vertical polarized radiator.

##### Mechanical Data

Dimensions (mm)	101 x 80 x 35 (Height x Width x Depth)
Weight	0.27 kg
Windload	frontal: 15 N at 160 km/h
Wind speed	survival: 220km/h, operational: 160 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 2002/95/EC	compliant
Lead-free soldered	yes
Ingress protection:	IP66 and IP67 according to EN 60529
Vibration and mechanical shock:	IEC 61373, Kat. 2
Flammability rating antenna:	UL 94-V0 / RF cable pigtail: UL 1581

HUBER+SUHNER is certified according to ISO 9001 and ISO 14001

#### WAIVER!

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.



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### Material Data

Radome colour RAL 7044 (grey)

### Related Products

9091.99.0225 Down- / Sidetilt Bracket  
9091.99.0238 Metal Down Tilt Bracket for Low Gain Antennas

### Related Documents

Mounting instruction	DOC-0000287053
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing1	DOU-00143397
3D-model (Step)	DOC-0000339647

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