

HUBER+SUHNER® DATA SHEET

Sencity® SPOT-S Antenna: 1324.17.0098



Rev.: T

SPA-2400/75/9/0/V_4

Description

Sencity® SPOT-S Linear polarised directional WiFi-Antenna
IEEE 802.11 b/g
Frequency Band (2.4 GHz - 2.485 GHz)
WLAN
For outdoor applications
Meets EN 50155 railway standard, fire retardant acc. to DIN 5510-2, BS 6853, NF F16-101/102, CEN/TS 45545
Railway approved acc. to EN50125-3 and prEN 45545-2



Product Configuration

Technical Data

Electrical Data

	Band 1
Frequency (MHz)	2400 - 2485
VSWR	1.5
Gain	8.5 dBi
3dB beamwidth (h) (°)	75
3dB beamwidth (v) (°)	75
Front to back ratio	12 dB
Vertical electrical tilt (°)	0

General Data

Nominal impedance	50 Ω
DC grounded	Yes
Polarisation	vertical
Connector	N, jack (female), bottom
Composite power max.	10 W at ambient temperature 25 °C

Mechanical Data

Dimensions (mm)	101 x 80 x 35 (Height x Width x Depth)
Weight	0.11 kg
Windload	frontal: 15 N at 160 km/h
Included mounting material	Wall mounting material
Radom Material:	Lexan EXL 9330

Environmental Data

Environmental conditions	outdoor
Operation temperature (°C)	-40 to 80
Storage temperature (°C)	-40 to 80
Transport temperature (°C)	-40 to 80
Flammability rating	prEN 45545-2
RoHS 2002/95/EC	compliant
IP Rating:	IP66 / IP 67
Solar radiation	EN 50125-3:2004 §4.9, 1120 W/m ² 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

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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Corrosion MIL-F-14072 E Type 1 "exposed"

Material Data

Radome colour RAL 7044 (grey)
Radome material PC (Polycarbonate)

Related Products

9091.99.0225 Down_Sidetilt Bracket_SencitySpot-S indoor
9091.99.0238 Down_Sidetilt Bracket_SencitySpot-S outdoor

Related Documents

Mounting instruction DOC-0000287053
Painting instruction DOC-0000197967
Security instruction DOC-0000278984
Outline drawing1 DOU-00135740
3D-model (Step) DOC-0000344274

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