

SENCITY Spot-M Yagi antenna 1324.17.0110

Description

SENCITY® Spot-M linear polarised directional Yagi antenna
Supports WLAN / WiFi acc. to IEEE 802.11 b/g
14 dBi high gain version
Railway approved acc. to EN50125-3 and EN 45545-2
Wall and mast mounting bracket included

Pigtail connector style: straight N, plug (male)



Product Configuration

Technical Data

Electrical Data

	Band 1
Frequency (MHz)	2400 - 2484
VSWR	1.5
Impedance (Ohm)	50
Gain (dBi)	14
3dB beamwidth (h) (°)	30
3dB beamwidth (v) (°)	30

Ports

	Port 1
Connector	N, plug (male)
Cable Type	SX_04172_B-60
Cable Length (m)	0.6
Min. radius static (mm)	25
Polarization	vertical
DC grounded	Yes

General Data

DC Grounding	Yes
Composite Power max (W)	50

The antennas signal ground is electrically isolated from ground of the backplane/bracket.
DC grounding of the antenna radiator is achieved by electrical connection to the outer conductor of the RF cable pigtail (signal ground).

Mechanical Data

Dimensions (mm)	80 x 420 x 80 (Height x Width x Depth)
Weight (kg)	0.85
Mast diameter (mm)	25 - 80
Included mounting material	Wall and mast mounting bracket

Bracket is flexible in all 3 axes for tilting and rotation of antenna and allows mast/roof/wall mounting.

Wind speed survival: 220 km/h

Windloads at 220 km/h: 16.5 N (frontal) / 162 N (lateral)

Environmental Data

Environmental conditions	indoor/outdoor
Operation temperature (°C)	-40 to 70
Storage temperature (°C)	-40 to 70

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Transport temperature (°C)	-40 to 70
IP rating	IP65
RoHS 2011/65/EU	compliant
REACH 2006/1907/EC	compliant

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)
Radome material	PC (Polycarbonate)

Related Documents

Mounting instruction	DOC-0000402934
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DOU-00251658
3D-model	DOC-0000440134

Additional Information

Company confidential
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