Data Sheet

HUBER+SUHNER

SENCITY® Omni-SR MIMO Antenna
1399.35.0010

Description

Compact omni-directional 4x4 MIMO cabinet/ceiling mount antenna.
Supports 4x4 WiFi MIMO in Wi-Fi 4 / Wi-Fi 6 bands.
Supports 4x4 Cellular MIMO in 2.3 / 2.6 / 3.5 GHz bands.
Single hole mounting and vandalism proof.
Rugged design, meets EN 50155 railway standard.
Fire retardant acc. to EN 45545-2 and NFPA130.



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2	Band 3	Band 4
Frequency (MHz)	2300 - 2500	2500 - 2690	3400 - 3800	4900 - 5975
VSWR	1.7	1.8	2	1.5
Impedance (Ohm)	50	50	50	50
Gain (dBi)	1	1.5	3	3.5
Composite power max (W)	10	10	10	10
Ambient temperature (°C)	25	25	25	25
Port Isolation (dB)	15	15	30	35

Ports

	Port 1	Port 2	Port 3	Port 4
Port name	WiFi	WiFi	WiFi	WiFi
Connector	QMA, plug (male)	QMA, plug (male)	QMA, plug (male)	QMA, plug (male)
Cable Type	RADOX_RF_316_D	RADOX_RF_316_D	RADOX_RF_316_D	RADOX_RF_316_D
Cable Length (m)	1.5	1.5	1.5	1.5
Min. radius static (mm)	5	5	5	5
Min. radius dynamic (mm)	30	30	30	30
Polarization	vertical	vertical	vertical	vertical
DC grounded	Yes	Yes	Yes	Yes

Connections

	Band 1	Band 2	Band 3	Band 4
Port 1	X	X	X	X
Port 2	X	X	X	X
Port 3	X	X	X	X
Port 4	X	X	X	X

General Data

Ground plane: Antenna works on metallic as well as on non-metallic ground plane. Indicated gain values are valid for an antenna mounted on metallic ground plane of 0.5m diameter.

Mechanical Data

Dimensions (mm)	33.2 x 145 (Height x Diameter)
Weight (kg)	0.64

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Environmental Data

Environmental conditions	indoor/outdoor
Operation temperature (°C)	-45 to 85
Storage temperature (°C)	-45 to 85
Transport temperature (°C)	-45 to 85
IP rating	IP68, IP69
Flammability rating	EN 45545-2
Solar radiation	DIN 75220
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant
Lead-free soldered	yes
WEEE 2012/19/EU	no special marking needed
REACH 1907/2006/EC	compliant

Flamability: EN 45545-2 (2013) HL3, NFPA130 (2013)
Environment: EN 50155 (2016)
Cooling EN 60068-2-1 (2007), test Ad, -55°C, 8h
Dry heat EN-60068-2-2 (2007), test Bb, +85°C, 8h
Damp heat cyclic EN 60068-2-30, +25/55°C
Temperature change EN 60068-2-14 (2008), -40/+85°C
Salt mist EN 60068-2-11 (2008), 96h
Mechanical vibration/shock/simulated lifetime: IEC 61373 (2010), § 9 and § 10, category 1B
Hammer impact test: EN 60068-2-75 (1997), IEC 62262 (2002) IK10, test Ehc
Corrosion: MIL-F-14072 E type 1 "exposed"

Material Data

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

Related Documents

Mounting instruction	DOC-0000756790
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DOU-00348607
3D-model	DOC-0000806622

Waiver: Fact and figures herein are for information only and do not represent any warranty of any kind.