

## SENCITY® Omni-SR 3x3 MIMO Antenna 1399.35.0002

### Description

Compact omni-directional MIMO indoor antenna for WiFi applications.  
Supports 3x3 WiFi MIMO in all Wi-Fi 6E bands.  
Rugged design, meets EN 50155 railway standard.  
Fire retardant acc. to DIN 5510-2, BS 6853, EN 45545-2, NFPA130  
3x3 WiFi tri-band MIMO antenna with three ports QMA (female)



### Product Configuration

### Technical Data

#### Electrical Data

	Band 1	Band 2	Band 3
Frequency (MHz)	2400 - 2690	5150 - 5935	5935 - 7125
VSWR	1.5	1.5	1.8
Impedance (Ohm)	50	50	50
Gain (dBi)	4	6	6
3dB beamwidth (h) (°)	360	360	360
Composite power max (W)	40	30	30
Ambient temperature (°C)	25	25	25
Port Isolation (dB)	20	20	20

#### Ports

	Port 1	Port 2	Port 3
Port name	WiFi	WiFi	WiFi
Connector	QMA, jack (female)	QMA, jack (female)	QMA, jack (female)
Polarization	vertical	vertical	vertical
DC grounded	Yes	Yes	Yes

#### Connections

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

#### General Data

#### Mechanical Data

Dimensions (mm) 31 x 91.8 x 281.8 (Height x Width x Depth)  
Weight (kg) 0.32

Low corrosion design acc. to MIL-F-14072(E).

#### Environmental Data

Environmental conditions indoor  
Operation temperature (°C) -40 to 85  
Storage temperature (°C) -40 to 85  
Transport temperature (°C) -40 to 85  
IP rating IPX5  
Flammability rating EN 45545-2  
2011/65/EU (RoHS - including 2015/863 and 2017/2102) compliant  
WEEE 2012/19/EU no special marking needed  
REACH 1907/2006/EC compliant

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Flammability rating: DIN 5510-2, BS 6853, EN 45545-2, NFPA130

High-voltage-protection: Designed acc. to UIC 533

Environmental compliance: EN50155:2007

### Material Data

Radome colour	RAL 7044 (grey)
Radome material	PC (Polycarbonate)
Back plate/base plate material	Aluminium

### Related Documents

Mounting instruction	DOC-0000333282
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DOU-00180748
3D-model	DOC-0000353495

### Additional Information

Antenna is identical to 1399.35.0008 but with radome colour RAL 7044 (grey).