

**SENCITY® Omni-SR 3x3 MIMO Antenna**

1399.35.0002

**Properties**

- Compact omni-directional MIMO indoor antenna for Wi-Fi applications
- Supports 3x3 Wi-Fi MIMO in all Wi-Fi 6E bands
- Rugged design, meets EN 50155 Railway Standard
- Fire retardant according to EN 45545-2 and NFPA130
- Contains three RF ports QMA (female) embedded on the rear side



Electrical bands			
	Band 1	Band 2	Band 3
Frequency (MHz)	2400 MHz ... 2690 MHz	5150 MHz ... 5935 MHz	5935 MHz ... 7125 MHz
Impedance	50 Ω	50 Ω	50 Ω
VSWR	1.5	1.5	1.8
Gain (dBi)	4 dBi	6 dBi	6 dBi
Halfp Beamwidth horizontal	360 °	360 °	360 °
Isolation between Ports	20 dB	20 dB	20 dB
Ambient Temperature	25 °C	25 °C	25 °C
Composite Power max	40 W	30 W	30 W

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			
Port number	Port 1	Port 2	Port 3
Band 1	✓	✓	✓
Band 2	✓	✓	✓

**SENCITY® Omni-SR 3x3 MIMO Antenna**

1399.35.0002

Connections			
Band 3	✓	✓	✓

Mechanical data	
Weight	0.32 kg
Dimensions	31 mm x 91.8 mm x 281.8 mm (Height x Width x Depth)
Remarks	Low corrosion design acc. to MIL-F-14072(E).

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

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Transport temperature	-40 °C ... 85 °C
Environment (application)	Indoor
Ingress protection (IP Rating)	IPX5
Flammability rating	EN 45545-2
Standards	Railway EN 50155
	Railway EN 45545
	Railway NFPA130

Environmental remarks
Flammability rating: DIN 5510-2, BS 6853, EN 45545-2, NFPA130 High-voltage-protection: Designed acc. to UIC 533 Environmental compliance: EN50155:2007

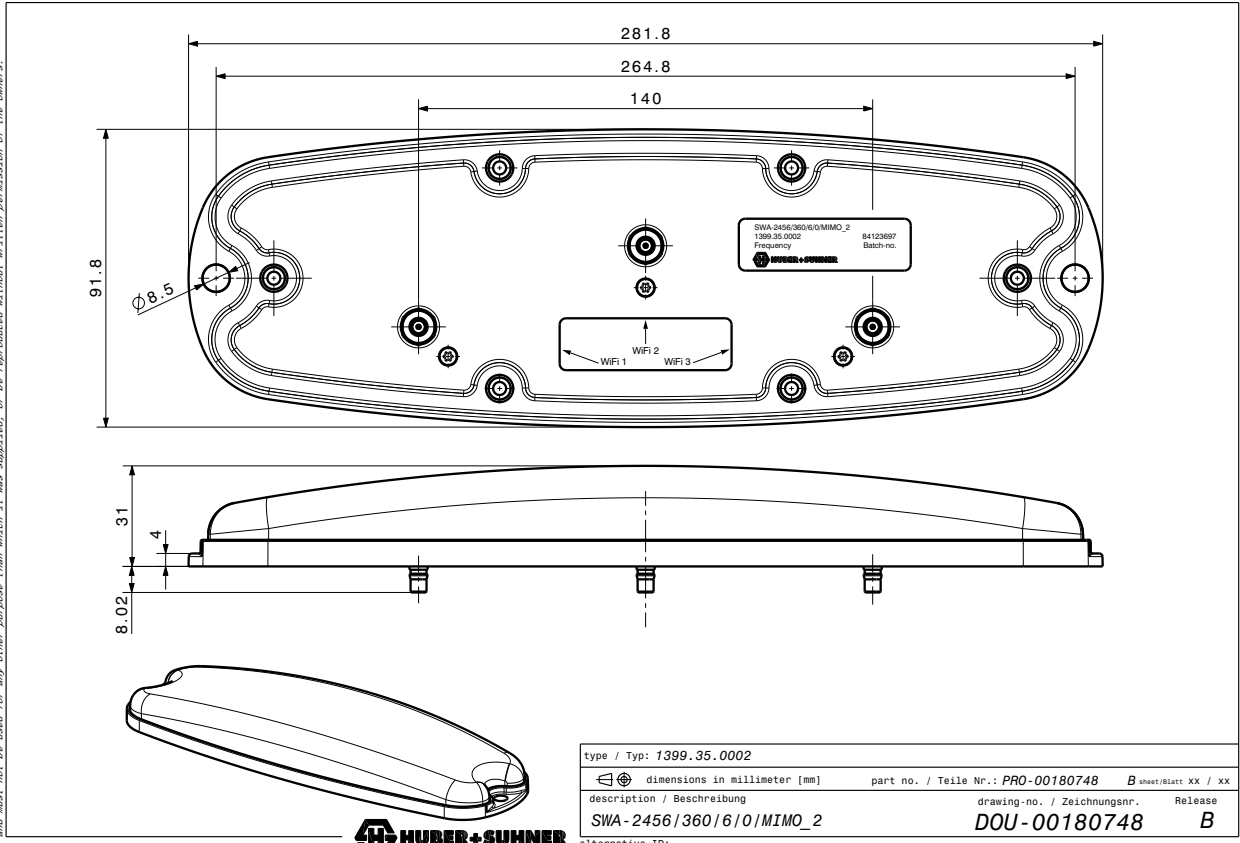
Additional Information
Antenna is identical to 1399.35.0008 but with radome colour RAL 7044 (grey).

**SENCITY® Omni-SR 3x3 MIMO Antenna**

1399.35.0002

**Outline drawing**

Diese Zeichnung ist unser geistiges Eigentum und darf ohne unsere Einwilligung weder kopiert, vervielfältigt noch übertragen oder nachzuverfolgen zugelassen werden. ( Art. 12 & a.)  
 This drawing is our intellectual property and may not be reproduced without written permission of the company.



HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind. DOCUMENT PIM-P3225 / Date of publication: 29.01.2024 / uncontrolled copy