DATA SHEET

SENCITY® Omni-SR 3x3 MIMO Antenna

1399.35.0008

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**
Name	Wi-Fi	Wi-Fi	Wi-Fi
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

1399.35.0008

Connections			
Band 3	✓	✓	✓

Mechanical data	
Weight	0.32 kg
Dimensions	31 mm x 91.8 mm x 281.8 mm (Heigth 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 9010 (white)
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

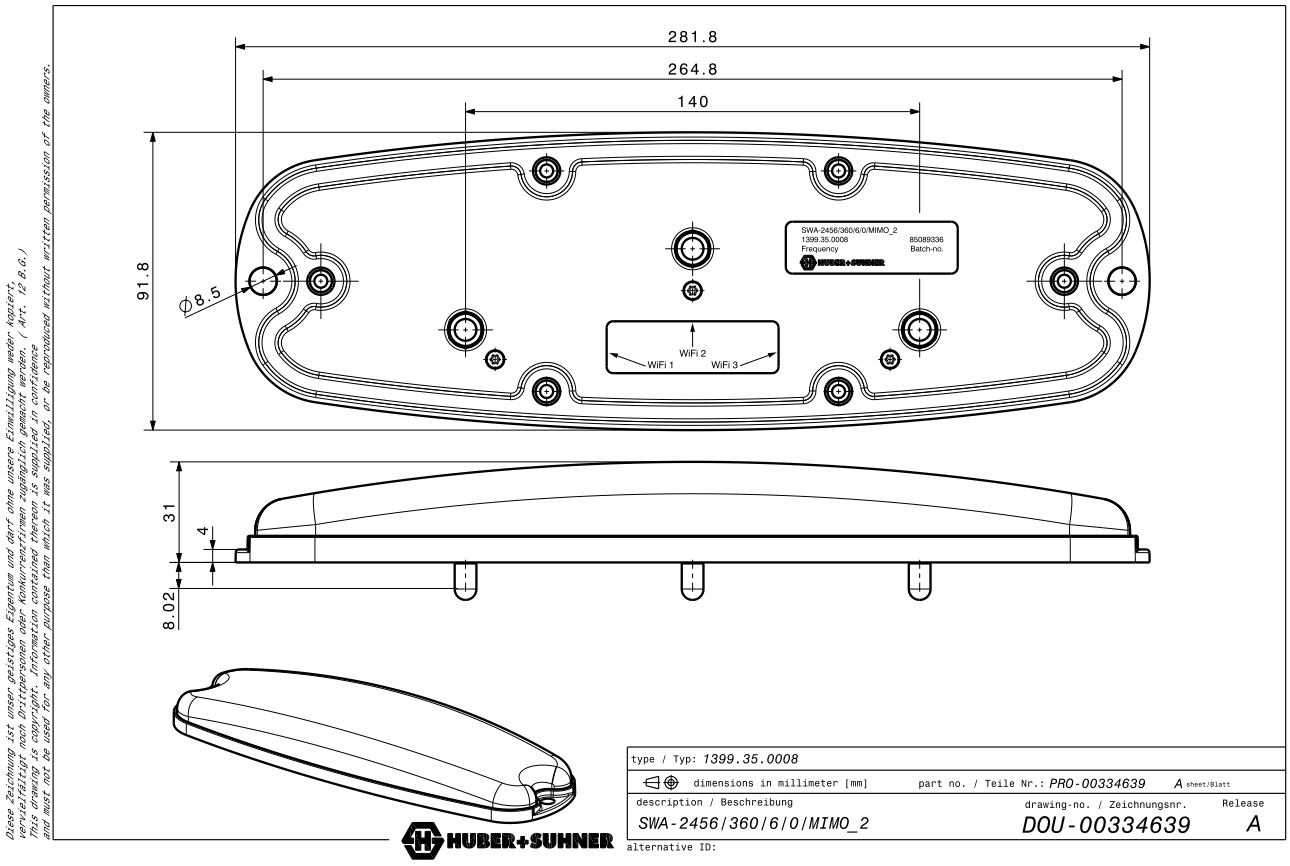
Environmental remarks
Flammability rating: DIN 5510-2, BS 6853, EN 45545-2, NFPA130 High-voltage-protection: Designed acc. to UIC 533 Environmental compliance: EN50155:2007

Additional Information
Antenna is identical to 1399.35.0002 but with radome colour RAL 9010 (white).

SENCITY® Omni-SR 3x3 MIMO Antenna

1399.35.0008

Outline drawing



Diese Zeichnung ist unser geistiges Eigentum und darf ohne unsere Einwilligung weder kopiert, vervielfältigt noch Drittpersonen oder Konkurrenzfirmen zugänglich gemacht werden. (Art. 12 B.G.)
This drawing is copyright. Information contained therein is supplied in confidence and must not be used for any other purpose than which it was supplied, or be reproduced without written permission of the owners.

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-P3223 / Date of publication: 21.02.2024 / uncontrolled copy