

SENCITY® Tram MULTI Antenna

1399.19.0236

Properties

- Supports Wifi 2.4/5 GHz, Wifi 6E
- 8 separate ports 8x8 Wifi MIMO
- Meets EN50155 railway standard
- Fire retardant acc. to EN45545-2 and NFPA-130
- Single hole mounting, easy cabling feed-through



Electrical data		
	Band 1	Band 2
Name	WiFi	WiFi
Frequency	2400 MHz ... 2500 MHz	4900 MHz ... 7125 MHz
Impedance	50 Ω	50 Ω
VSWR	2	2
Gain	6 dBi	6 dBi
Isolation between Ports	24 dB	24 dB
Ambient Temperature	25 °C	25 °C
Composite Power max	30 W	30 W

Electrical remarks	
Remarks	Ground plane: Indicated VSWR values are valid for a metallic ground plane of 0.5 x 0.5m or larger and Isolation is provided as typical values. Indicated VSWR values are mostly valid for installations on non-metallic surfaces also (no specific ground plane requirements). Indicated gain values will be achieved on a metallic ground plane of 1 x 1 m or larger.

Ports	
	Port 1 to 8
Port name	WiFi 1-8 (blue)
Connector	SMA, plug (male)
Cable type	RADOX_RF_316_D
Cable length	0.3 m
Polarization	vertical
DC grounded	Yes

SENCITY® Tram MULTI Antenna

1399.19.0236

Connections	
Port name	Port 1 to 8 WiFi 1-8 (blue)
Band 1	✓
Band 2	✓

Mechanical data	
Weight	1.1 kg
Dimensions	60 mm x 210 mm (Height x Diameter)
Mounting breakthrough	Ø 30 mm

Material data	
Radome material	PC (Polycarbonate)
Radome colour	RAL 9017 (black)
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
Ingress protection (IP Rating)	Mated / IP68, IP69k
Flammability rating	EN 45545-2
Solar radiation	DIN 75220

Environmental remarks

Environmental tests: EN50155:2018-05
 High-voltage protection: EN50124-1:2017-03
 Low corrosion designed acc. to MIL-F-14072D
 CE-Mark

Ordering information		
Item description	Item number	Product name
1399.19.0236	85185418	SENCITY® Tram MULTI Antenna

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-P35298 / Date of publication: 07.03.2025 / uncontrolled copy