

SENCITY® Tram MULTI Antenna

1399.19.0234

Properties

- Supports Wifi 2.4/5 GHz, Wifi 6E
- 6 separate ports for 6x6 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 6 |
|--------------|------------------|
| Port name | Wi-Fi 1-6 (blue) |
| Connector | SMA, plug (male) |
| Cable type | RADOX_RF_316_D |
| Cable length | 0.3 m |
| Polarization | vertical |
| DC grounded | Yes |

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| Connections | |
|-------------|---------------------------------|
| Port name | Port 1 to 6 Wi-Fi 1-6 (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 |
| Environment (application) | Outdoor |
| Ingress protection (IP Rating) | Mated / IP68, IP69k |
| Flammability rating | EN 45545-2 NFPA-130 |
| 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 |
| 1399.19.0234 | 85185409 | SENCITY® Tram MULTI Antenna |

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