

**SENCITY® Rail Antenna**

87010008

**Properties**

- Railway rooftop antenna for 380 to 430 MHz
- Rugged design, meets EN 50155 Railway Standard
- Fire retardant acc. to EN 45545-2
- Contains a heavy duty fibreglass radome
- Works also on non-metallic surfaces

**Electrical bands**

|                     | Band 1              |
|---------------------|---------------------|
| Frequency           | 380 MHz ... 430 MHz |
| VSWR                | 1.5                 |
| Impedance           | 50 Ω                |
| Gain                | 4 dBi               |
| Ambient Temperature | 25 °C               |

**Electrical remarks**

|         |                                                                                   |
|---------|-----------------------------------------------------------------------------------|
| Remarks | Indicated VSWR values are valid for a metallic ground plane of 1M x 1M or larger. |
|---------|-----------------------------------------------------------------------------------|

**Ports**

|              | Port 1           |
|--------------|------------------|
| Connector    | N, jack (female) |
| Polarization | vertical         |
| DC grounded  | Yes              |

**Connections**

|             |                                     |
|-------------|-------------------------------------|
| Port number | Port 1                              |
| Band 1      | <input checked="" type="checkbox"/> |

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| Mechanical data |                                                                                                                             |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------|
| Weight          | 0.5 kg                                                                                                                      |
| Dimensions      | 150 mm x 145 mm x 85 mm (Height x Width x Depth)                                                                            |
|                 | Packaging size (outside): 150 x 90 x 190 mm                                                                                 |
| Remarks         | Radiator: Copper and brass.<br>Flange: Aluminum.<br>All screws and nuts: Stainless steel.<br>Sealing: Neoprene and silicon. |

| Interface and material data    |            |
|--------------------------------|------------|
| Radome material                | Fiberglass |
| Radome colour                  | Grey       |
| Back plate/base plate material | Aluminum   |
| Back plate/base plate colour   | Black      |

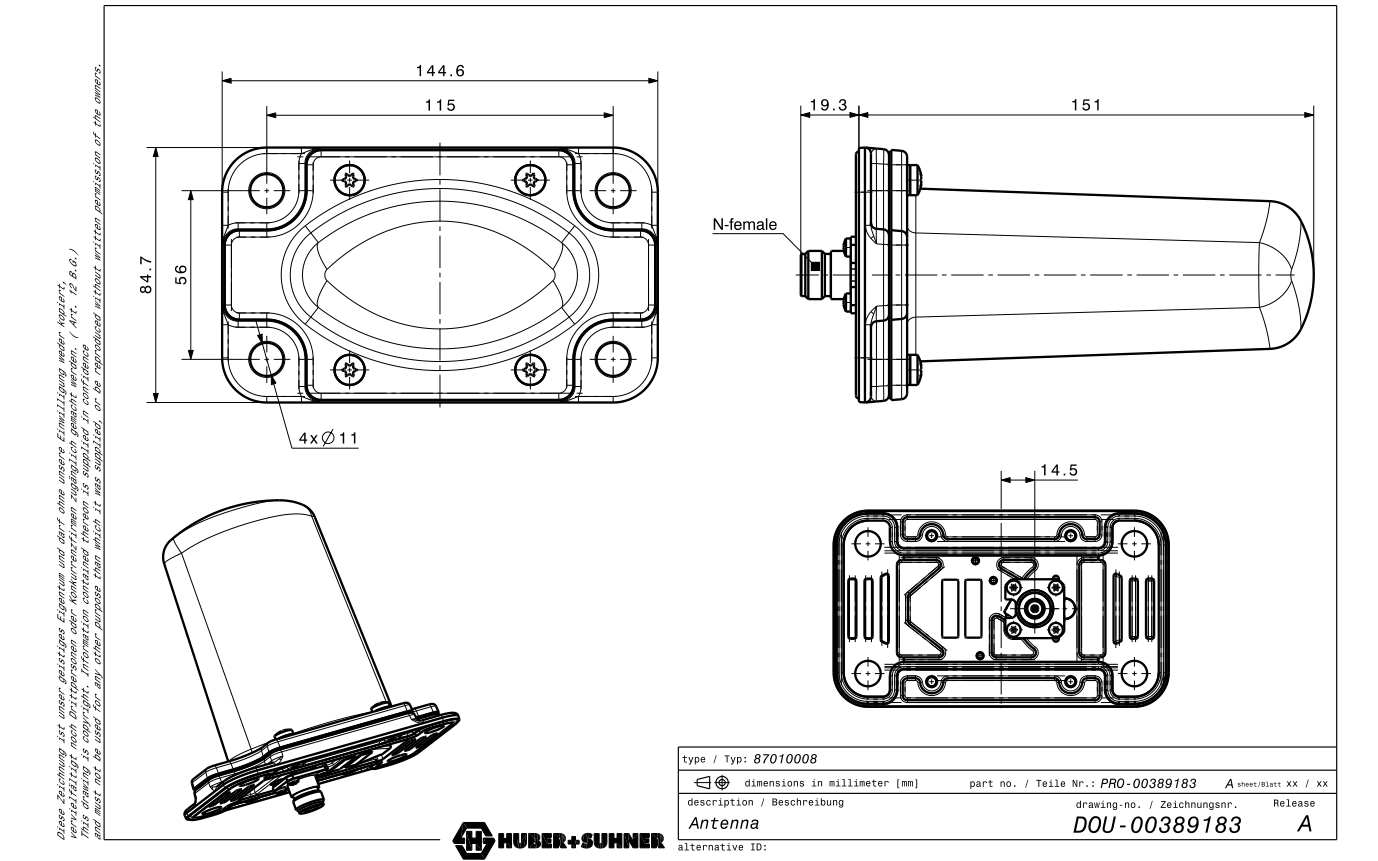
| Environmental data             |                  |
|--------------------------------|------------------|
| Operation temperature          | -40 °C ... 85 °C |
| Storage temperature            | -40 °C ... 85 °C |
| Environment (application)      | Outdoor          |
| Ingress protection (IP Rating) | Mated / IP66     |
| Flammability rating            | EN 45545-2       |

| Environmental remarks                 |
|---------------------------------------|
| Environmental tests: EN 50155:2018-05 |

| Additional Information                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------|
| This antenna, tested by an independent institute, is DC grounded to protect against lightning and short circuit with high voltage lines |

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Outline drawing



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DOCUMENT PIM-PI235 / Date of publication: 10.06.2024 / uncontrolled copy