

**SENCITY® Rail Antenna**

K702021

**Properties**

- Railway rooftop antenna for 410 to 470 MHz
- Rugged design, meets EN 50155 Railway Standard
- Fire retardant according to EN 45545-2
- Contains a heavy-duty fiberglass radome
- Works also on non-metallic surfaces

**Electrical bands**

	Band 1
Frequency	410 MHz ... 470 MHz
Impedance	50 Ω
VSWR	1.5
Gain	4 dBi
Ambient Temperature	25 °C

**Electrical remarks**

Remarks	Indicated VSWR values are valid for a metallic ground plane of 0.5M x 0.5M or larger. Indicated Gain dBi values are valid for a metallic ground plane of 1.0M x 1.0M or larger. Gain dBd 0 (ref. to the quarter-wave antenna) on a conductive surface with a minimum size of 0.5 x 0.5M or larger.
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**Ports**

	Port 1
Port name	Tetra
Connector	N, jack (female)
Polarization	vertical
DC grounded	Yes

**Connections**

	Port 1
Port name	Tetra
Band 1	✓

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<b>Mechanical data</b>	
Weight	0.5 kg
Dimensions	142 mm x 145 mm x 80 mm (Height x Width x Depth)
	Packaging size (outside): 151 x 87 x 210 mm
	Radiator and Flange: Aluminum
	Sealing: Neoprene and rubber.
Remarks	This antenna, tested by an independent institute, is DC grounded to protect against lightning and short circuit by high voltage lines.

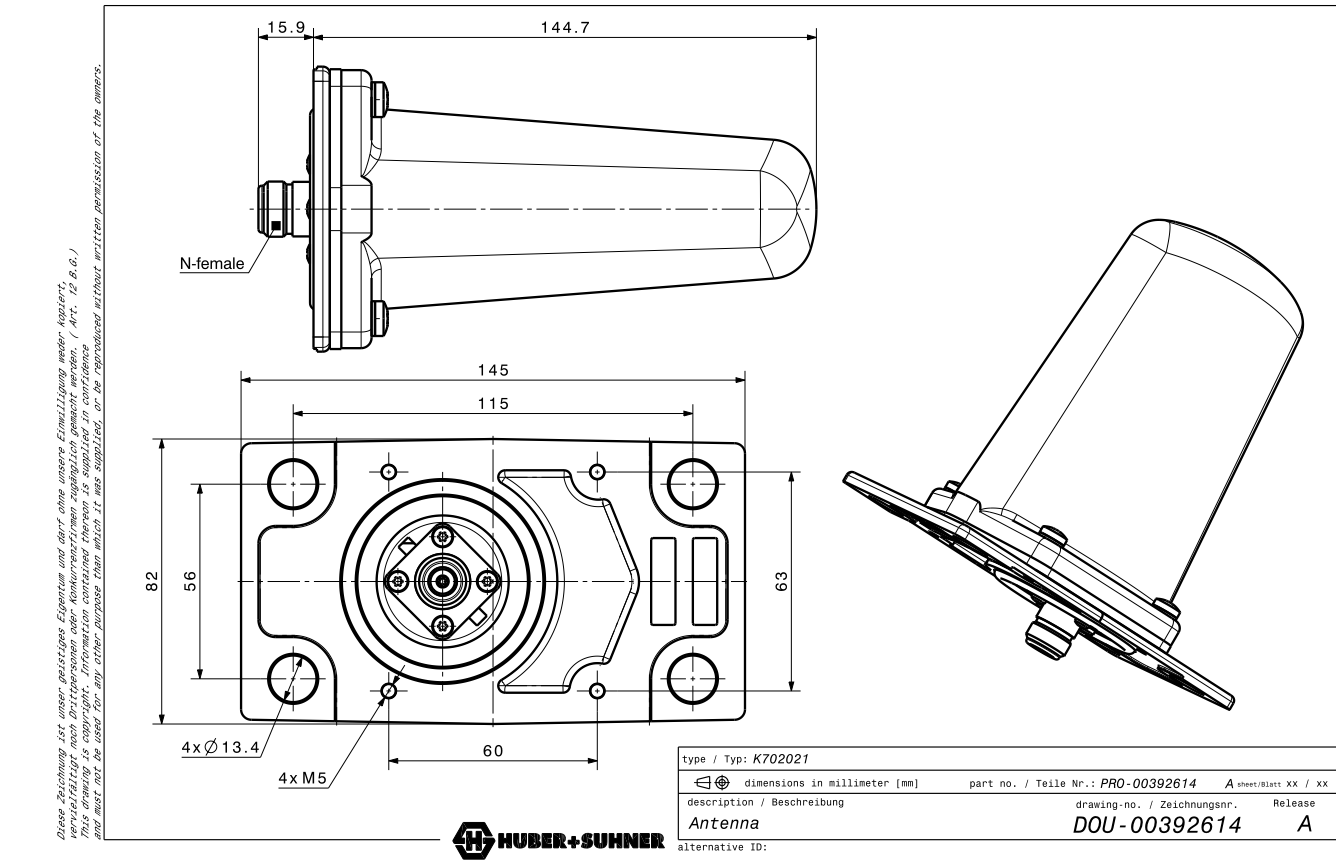
<b>Interface and material data</b>	
Radome material	Fiberglass
Radome colour	Grey
Back plate/base plate material	Aluminium
Back plate/base plate colour	Black

<b>Environmental data</b>	
Operation temperature	-55 °C ... 85 °C
Storage temperature	-55 °C ... 85 °C
Environment (application)	Outdoor
Ingress protection (IP Rating)	Mated / IP66
Flammability rating	EN 45545-2

<b>Environmental remarks</b>	
Environmental tests: EN 50155:2007	
Flammability rating: EN 45545	

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Outline drawing



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