

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 fibreglass radome




Electrical bands	
	Band 1
Name	Tetra
Frequency (MHz)	410 MHz ... 470 MHz
Impedance	50 Ω
VSWR	1.5
Gain (dBi)	4 dBi
Ambient Temperature	25 °C

Electrical remarks	
Remarks	<p>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.</p> <p>This antenna, tested by an independent institute, is DC grounded to protect against lightning and short circuit by high voltage lines.</p> <p>Works also on non-metallic surfaces.</p>

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

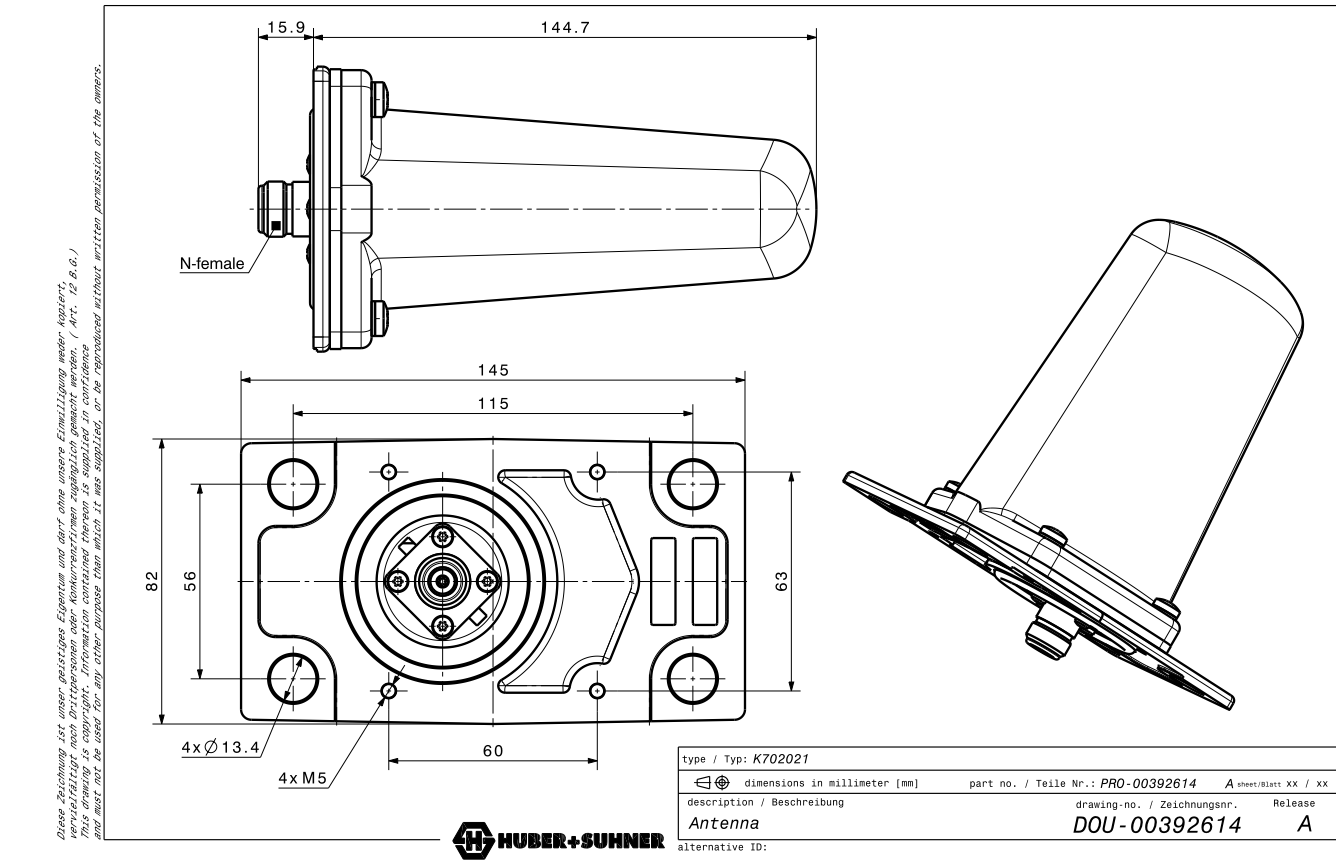
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Connections	
Port number	Port 1
Band 1	
Mechanical data	
Weight	0.5 kg
Dimensions	142 mm x 145 mm x 80 mm (Height x Width x Depth)
Remarks	<p>Radiator and Flange: Aluminum All screws and nuts: Stainless steel. Sealing: Neoprene and rubber.</p> <p>This antenna, tested by an independent institute, is DC grounded to protect against lightning and short circuit by high voltage lines. Packaging size (outside): 151 x 87 x 210 mm</p>
Interface and material data	
Radome material	Fiberglass
Radome colour	Grey
Back plate/base plate material	Aluminium
Back plate/base plate colour	Black
Housing material and surface treatment	Black
Environmental data	
Operation temperature	-55 °C ... 85 °C
Storage temperature	-55 °C ... 85 °C
Environment (application)	Outdoor
Ingress protection (IP Rating)	IP66
Flammability rating	EN 45545-2
Standards	Railway EN 50155 Railway EN 45545
Environmental remarks	
Environmental tests: EN 50155:2007 Flammability rating: EN 45545	

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Outline drawing



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