

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. Flange: Aluminum. All screws and nuts: Stainless steel. 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

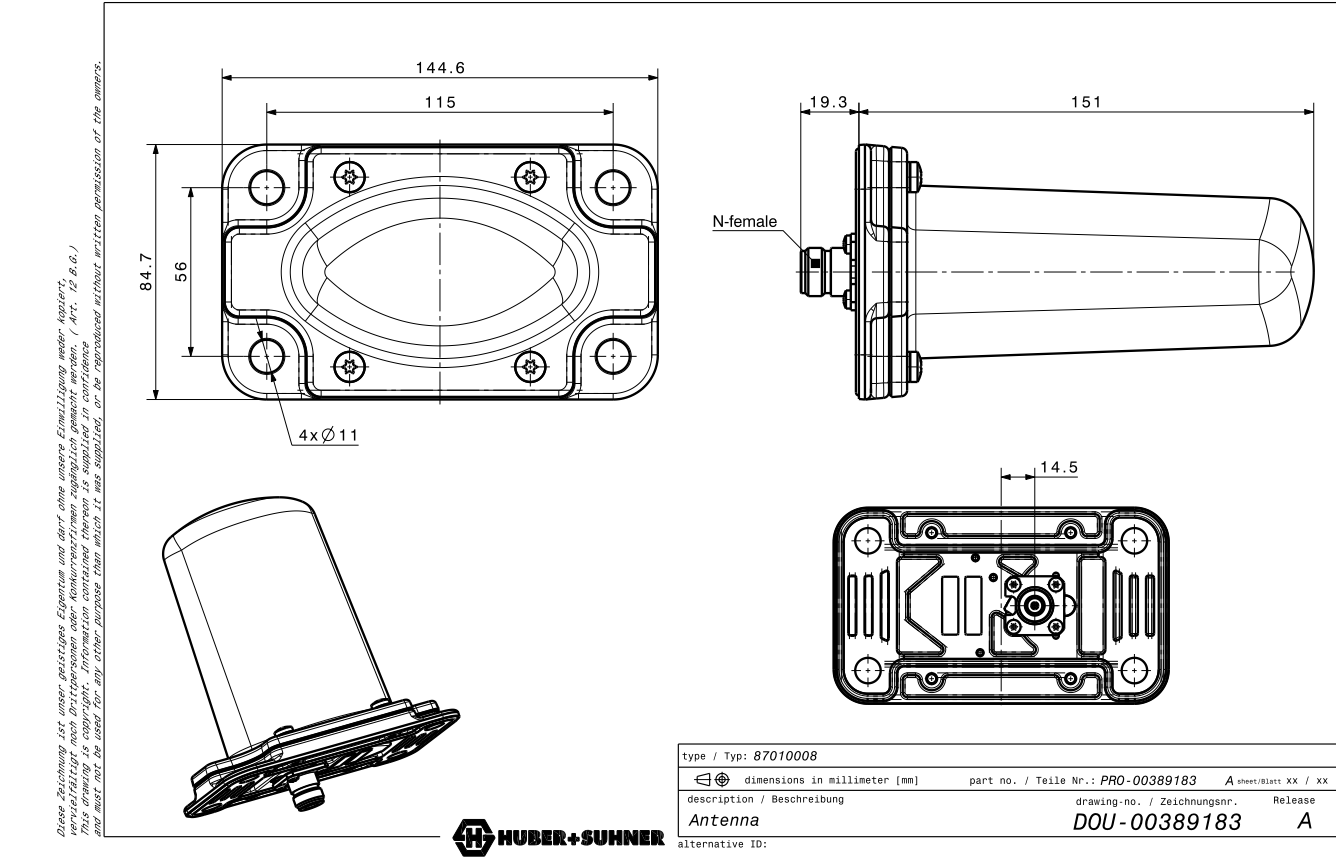
Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Environment (application)	Outdoor
Ingress protection (IP Rating)	Mated / IP66
Flammability rating	EN 45545-2

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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