

SENCITY® Rail Antenna
741009

Properties

- Railway rooftop antenna for GSM-R (870-960 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
Name	GSM-R
Frequency	870 MHz ... 960 MHz
VSWR	1.5
Impedance	50 Ω
Gain	4.5 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.
Ports	
	Port 1
Port name	GSM-R
Connector	N, jack (female)
Polarization	vertical
DC grounded	Yes
Connections	
Port number	Port 1
Band 1	☒

SENCITY® Rail Antenna

741009

Mechanical data	
Weight	0.5 kg
Dimensions	95 mm x 145 mm x 82 mm (Height x Width x Depth)
Remarks	Wind load: frontal: 1.5 N at 600 km/h, lateral: 0.4 N at 600 km/h
	Packaging size (outside): 137 x 92 x 174 mm
	Radiator: Brass.
	Flange: Aluminum. All screws and nuts: Stainless steel. Sealing: Neoprene and nitrile rubber.

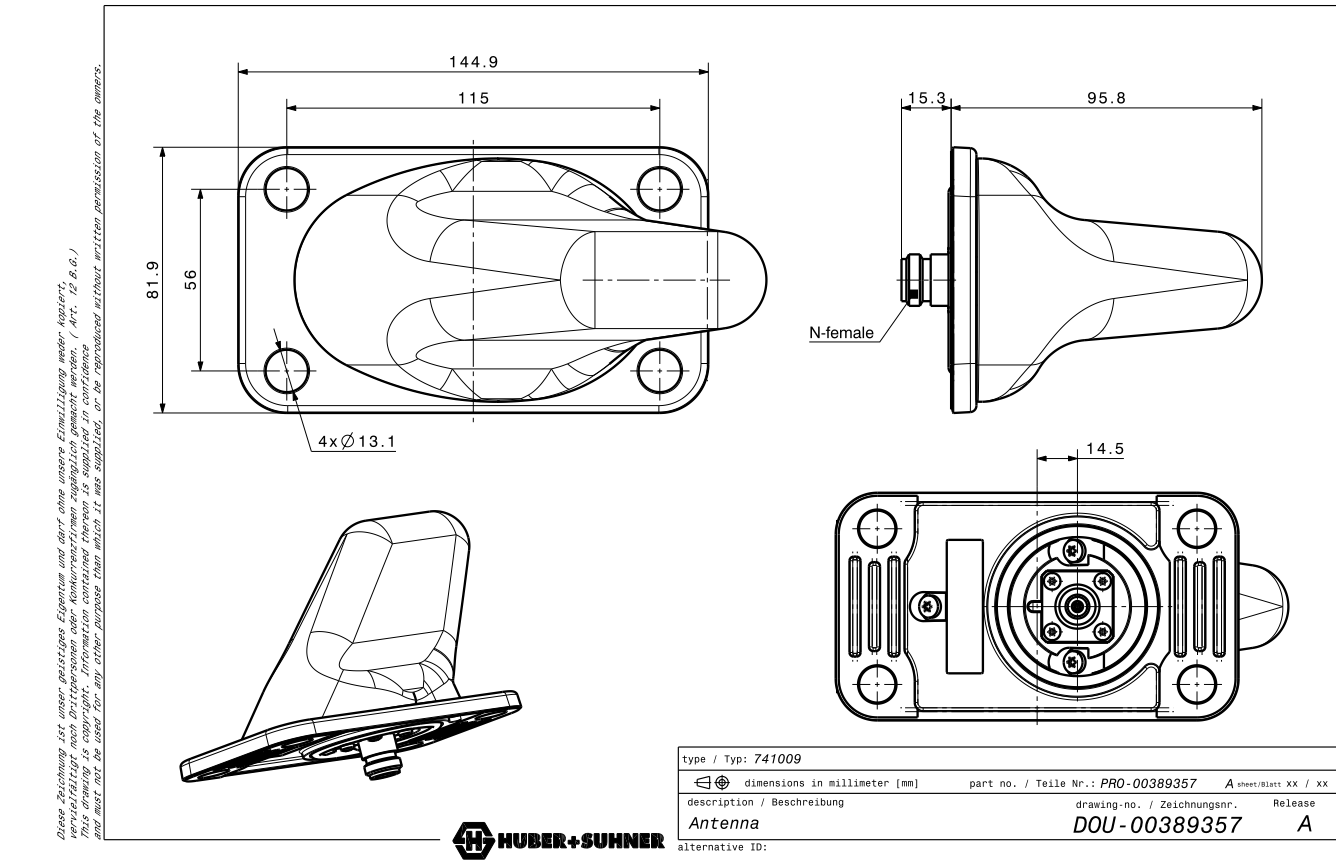
Interface and material data	
Radome material	Fiberglass
Radome colour	Grey
Back plate/base plate material	Aluminum
Back plate/base plate colour	Black

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	

SENCITY® Rail Antenna
741009

Outline drawing



HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/ EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.
DOCUMENT PIM-P1434 / Date of publication: 10.06.2024 / uncontrolled copy