

Sencity Rail Antenna 741009

Description

GSM-R antenna with fiberglass radome.
Frequency Range 870-960 MHz.
Rugged design, meets EN 50155 railway standard.
Fire retardant acc. to EN 45545-2.
Works also on non-metallic surfaces.



Product Configuration

Technical Data

Electrical Data

	Band 1
Band Name	GSM-R
Frequency (MHz)	870 - 960
VSWR	1.5
Impedance (Ohm)	50
Gain (dBi)	4.5
Ambient temperature (°C)	25

Ports

	Port 1
Port name	GSM-R
Connector	N, jack (female)
Polarization	vertical
DC grounded	Yes

Connections

	Band 1
Port 1	X

General Data

Indicated VSWR values are valid for a metallic ground plane of 0.5M x 0.5M or larger.

Mechanical Data

Dimensions (mm)	95 x 145 x 82 (Height x Width x Depth)
Weight (kg)	0.5
Windload	frontal: 1.5 N at 600 km/h, lateral: 0.4 N at 600 km/h , Wind speed survival: km/h

Radiator: Brass.

Flange: Aluminum.

Radome: Fiberglass Colour: Light grey.

All screws and nuts: Stainless steel.

Sealing: Neoprene and nitrile rubber.

Packaging size (outside): 137 x 92 x 174 mm

Environmental Data

Environmental conditions	outdoor
--------------------------	---------

Sencity Rail Antenna 741009

Operation temperature (°C)	-40 to 85
Storage temperature (°C)	-40 to 85
IP rating	IP66
Flammability rating 2011/65/EU (RoHS - including 2015/863 and 2017/2102)	EN 45545-2 compliant
Lead-free soldered	yes
WEEE 2012/19/EU	no special marking needed
REACH 1907/2006/EC	compliant

Environmental tests: EN 50155:2018-05

Flammability rating: EN 45545-2.

Material Data

Radome colour	grey
Back plate/base plate colour	black
Back plate/base plate material	Aluminium

Related Documents

Mounting instruction	DOC-0000850878
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DOU-00389357
3D-model	DOC-0000864655