HUBER+SUHNER® DATA SHEET Sencity Rail Antenna: 1399.17.0125



SWA-0825/360/5/30/V

Description

Railway rooftop antenna for GSM 900, GSM 1800, GSM 1900, UMTS, LTE and WiFi 2.4 GHz Band communication. Rugged design, meets EN 50155 railway standard.

Extremely low profile (40mm).

Fire retardant acc. to DIN 5510-2, BS 6853, NF F16-101/102, CEN/TS 45545 (2009)



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2	Band 3	Band 4
Frequency (MHz)	790 - 806	806 - 870	870 - 960	1710 - 2170
VSWR	2.2	1.9	1.6	1.8
Gain (dBi)	5	5	5	6

	Band 5	Band 6
Frequency (MHz)	2400 - 2500	2500 - 2700
VSWR	1.9	2.2
Gain (dBi)	6	6

General Data

 $\begin{array}{lll} \mbox{Nominal impedance} & \mbox{50} \ \Omega \\ \mbox{DC grounded} & \mbox{Yes} \\ \mbox{Polarisation} & \mbox{vertical} \\ \end{array}$

Connector N, jack (female), bottom

Composite power max. 100 W at ambient temperature 50 °C

Ground Plane: Indicated VSWR values are valid for a metallic ground plane

of 0.2 x 0.2m or larger.

Mechanical Data

Dimensions (mm) 40 x 100 x 145 (Height x Width x Depth)

Weight 0.488 kg

High-current-protection Designed acc. to UIC 533, DC-grounded antenna

element (protection against lightning and short circuit with catenary lines(40kA/0.1s).

Corrosion Low corrosion design acc. to MIL-F-14072(E).

Mounting Shall be installed in longitudinal position to the wind/driving direction.

Environmental Data

Environmental conditions
Operation temperature (°C)
Storage temperature (°C)
IP rating
Solar radiation
RoHS 2002/95/EC
Environmental tests:
Outdoor
-40 to 85
IP 69K
DIN 75220
compliant
EN 50155:2007

Flammability rating DIN 5510-2, BS 6853, NF F16-101/102, CEN/TS 45545 (2009)

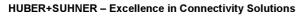
Material Data

Radome colour RAL 7043 (dark grey)

HUBER+SUHNER is certified according to ISO 9001 and ISO 14001

WAIVER!

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.



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HUBER+SUHNER AG RF Industrial 9100 Herisau, Switzerland Phone +41 (0)71 353 41 11 Fax +41 (0)71 353 45 90 www.hubersuhner.com



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Radome material ASA_SAN
Back plate/base plate material Aluminium

Related Products

9090.99.0062 Sencity Rail Mounting plate ***Customer specific***

Related Documents

 Mounting instruction
 DOC-0000311051

 Painting instruction
 DOC-0000256180

 Security instruction
 DOC-0000278984

 Outline drawing1
 DOU-00144038

 3D-model (Step)
 DOC-0000326786

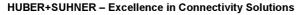
Additional Information

This product meets the Deutsche Bahn specifications for rolling stock equipment.

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