

Rosenheim, 01.05.2018

**KATHREIN-Werke KG ist jetzt KATHREIN SE  
KATHREIN-Werke KG is now KATHREIN SE**

Zum 1. Mai 2018 ist die KATHREIN-Werke KG auf die KATHREIN SE, einer Europäischen Aktiengesellschaft (Societas Europaea), übergegangen.

Die neuen Firmendaten lauten seither wie folgt:

**KATHREIN SE**  
**Anton-Kathrein-Str. 1-3**  
**83022 Rosenheim, Deutschland**  
**Steuer-Nr.: 156/117/30745**  
**UST-Ident-Nr.: DE 131 558 540**  
**Registergericht: Traunstein, HRB 24848**

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On 1<sup>st</sup> May 2018, KATHREIN-Werke KG has been transferred to KATHREIN SE, a European stock corporation (Societas Europaea).

Since then the company data is as follows:

**KATHREIN SE**  
**Anton-Kathrein-Str. 1-3**  
**83022 Rosenheim, Deutschland**  
**Tax ID No.: 156/117/30745**  
**VAT Reg. No.: DE 131 558 540**  
**Commercial Register: Traunstein, HRB 24848**

**KATHREIN SE**

Anton-Kathrein-Straße 1-3  
83022 Rosenheim  
Germany  
Phone: +49 8031 184-0  
Fax: +49 8031 184-306  
www.kathrein.com

Executive Board:  
Anton Kathrein (CEO),  
Joachim Döring, Elmar Geißinger,  
Jürgen Walter, Hans-Joachim Ziems  
Supervisory Board:  
Dr. Michael F. Keppel (Chairman)

VAT Reg. No.: DE 131 558 540  
Tax ID No.: 156/117/30745  
WEEE Reg. No.: DE 38438502  
GLN: 40 21121 00000 3  
Registered Office: Rosenheim, DE  
Commercial Register: Traunstein, HRB 24848

Deutsche Bank AG  
IBAN: DE54 7007 0010 0833 7701 00  
BIC: DEUTDEMMXXX

# Train Antenna

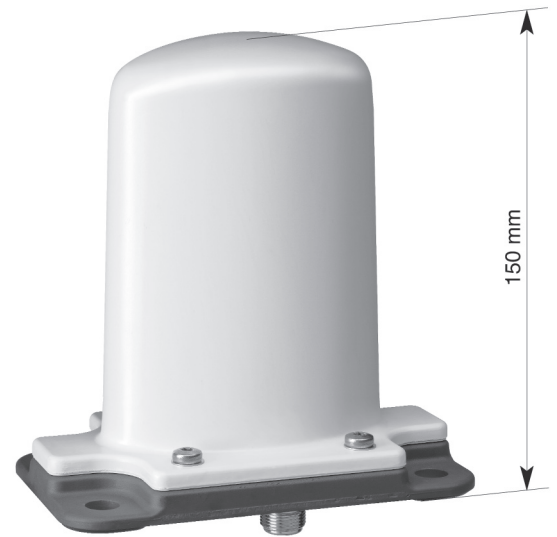
## 430 – 470 MHz and 870 – 960 MHz

### 87010009

**KATHREIN**

- Two-band Antenna: 430 – 470 MHz / 870 – 960 MHz
- Low profile antenna in fiberglass radome.
- The antenna fulfils the requirements according to EN 50155.

Type No.	87010009
<b>Antenna two-band</b>	
Input	N female
Frequency range	430 – 470 MHz 870 – 960 MHz
VSWR	< 1.5
Gain	0 dB (ref. to the quarter-wave antenna)
Impedance	50 Ω
Polarization	Vertical
Max. power	100 W (at 50° C ambient temperature)
Inner conductor	DC grounded
Radome weight	186 g
Total weight	Approx. 500 g
Packing size, L x W x H	150 x 90 x 190 mm
Height	150 mm

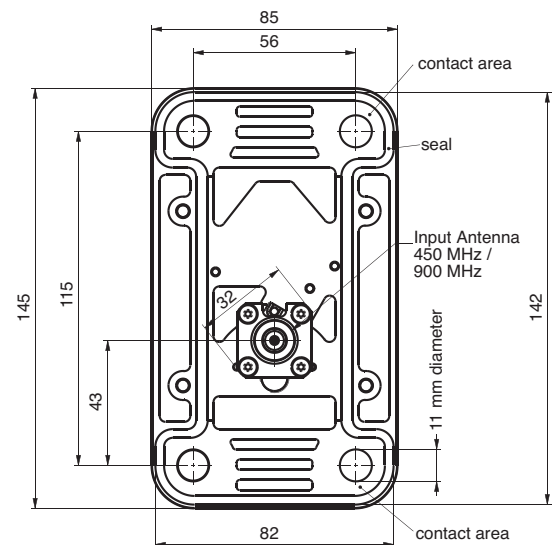


**Material:** Radiator: Copper and brass.  
Flange: Aluminum. Radome: Fiberglass.  
All screws and nuts: Stainless steel.  
Colour: Grey.  
Sealing: Neoprene and silicon. **Note:** Don't use detergents that might harm the sealing.

**Mounting:** On a conductive surface with a minimum size of 1000 x 1000 mm using 4 M10 bolts.

**Grounding and high voltage protection:** This antenna, tested by an independent institute and approved by the "Deutsche Bahn AG", is DC grounded to protect against lightning and high-tension lines.

**Mounting flange:**

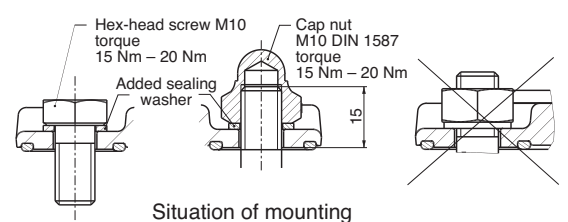


Mounting hole for the connector: 33 (max. 35) mm diameter.

**Note:** Keep mounting surface clear of paint for electrical contact.

Evenness of opposite surface 0.2 mm.

Use a cap nut or hex-head screw plus the enclosed sealing washer.



936.2964/c Subject to alteration.

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**KATHREIN**

Fire prevention:	UL94 (HB) DIN 5510 T2 DIN EN 45545-2: 2013
IP class:	IP 66 (when product is mounted properly)
Standards:	EN 50122-1 EN 50125 EN 50155 EN 60068-2-1 EN 60068-2-2 EN 60068-2-6 EN 60068-2-27 EN 60068-2-30 EN 61373 ETS 300 019-1-2 class 2.2 ETS 300 019-1-1 T 1.2 ETS 300 019-1-5 T 5.2 ETS 300 019-2-2 T 2.2 ETS 300 019-1-2 T 1.2

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