

## TAG-Sensor Ex, Type 6729-51/-52

- TAG-sensor for applications in Ex-areas for identification of the components and their positions.



### Description

The BARTAG® offers a safety identification of the instruments or doors via RFID-transponders (TAG) in Ex-areas.

The integrated 64 bit serial number makes sure that every TAG is unmistakable because of the uniqueness of each TAG.

This guarantees highest safety against manipulation.

### Function

Controlling of closet valve.

Sealed Parcel Delivery with high safety standard against usual proximity switch.

### Advantages

- **Contactless identification without wasting.**
- **High reliability**
- **No possibility for manipulation**
- **Modern RFID-transponder technics**
- **ATEX 1038**

## Technical Daten

### Device-specific Data

Frequency	125 KHz
Reading distance	0 ... 2,0 cm
Serial number	64 bit
Modulation	Coding Manchester AM

### Ambient conditions

Operating temperature	- 20° C ... + 60° C
Storage temperature	- 25° C ... + 60° C

### Mechanical Data

Mounting	Spacing of hole 25 mm
Diameter	4,5 mm
Weight	20 g
Housing	Polyacetalharz (POM/Delrin)
Light protection class	Ex II 5 G, IBE x U 05, ATEX 1038
Protection class	IP 65

Dimensions	<p>The drawing shows a top-down view of a cylindrical sensor with two mounting holes. Key dimensions are:         <ul style="list-style-type: none"> <li>Outer diameter: <math>\varnothing 34</math> mm</li> <li>Inner diameter: <math>\varnothing 16</math> mm</li> <li>Total height: 18 mm</li> <li>Mounting hole diameter: 10 mm</li> <li>Mounting hole offset from center: 11 mm</li> <li>Spacing between mounting holes: 25 mm</li> <li>Mounting hole thread: M4</li> </ul> </p>
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## Order Designation

Description	Order number
TAG-Sensor Ex, Type 6729-51 (read only)	234485
TAG-Sensor Ex, Type 6729-52 (read and write)	235668