



1) Sensing surface, 2) Tightening torque



### Basic features

<b>Antenna type</b>	Patch
<b>Approval/Conformity</b>	CE WEEE
<b>Principle of operation</b>	Antenna
<b>Use</b>	with BIS U-612x with BIS U-602x with BIS U-62x

### Electrical connection

<b>Connection</b>	TNC-Female
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### Electrical data

<b>Antenna gain</b>	-10.5 dBic
<b>Antenna impedance</b>	50 Ohm
<b>Front-to-back ratio</b>	1 dB
<b>Permissible radiated power</b>	FCC 15.247 ≤ 4 W EIRP
<b>Polarization</b>	circular
<b>VSWR (voltage standing wave ratio)</b>	2:1
<b>Working frequency</b>	913.5...919.5 MHz

### Environmental conditions

<b>Continuous shock load</b>	yes
<b>EN 60068-2-27, Shock</b>	yes
<b>EN 60068-2-6, Vibration</b>	yes
<b>IP rating</b>	IP65, with connector
<b>Storage temperature</b>	-40...85 °C
<b>Working temperature, optimal</b>	-20...55 °C

### Material

<b>Housing material</b>	Nickel-plated brass PC
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### Mechanical data

<b>Application weight</b>	200 g
<b>Size</b>	M30x1.5

### Range/Distance

<b>Axial ratio</b>	3 dB
<b>Opening angle min.</b>	100°/170°

## Remarks

When installing, the technical standards and regulations of the corresponding countries must be observed.

Values are under rated conditions unless otherwise specified.

For basic equipment: Accessories see [www.balluff.com](http://www.balluff.com)

For safety reasons, no people should be in the vicinity of the antenna longer (for several hours). When determining the mounting position of the antenna, the minimum distance of 30 cm between the UHF antenna and the workplace must be maintained.

Attention: Use a minimum cable length of 10 meters!

## Technical Drawings

