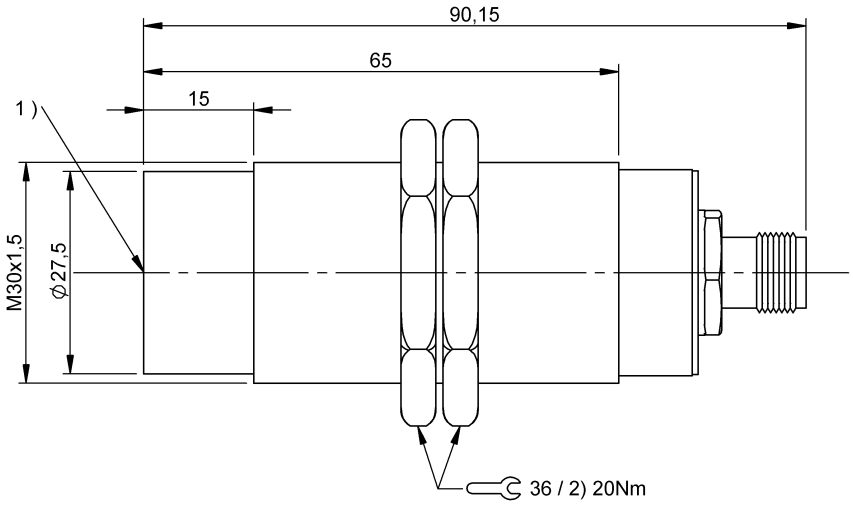
UHF (860...960 MHz)

BIS U-304-C1-TNCB
Order Code: BIS01CL



1) Sensing surface, 2) Tightening torque

Basic features

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

Electrical connection

Connection	TNC-Female

Electrical data

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

Environmental conditions

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

Material

Housing material	Nickel-plated brass PC

Mechanical data

Application weight	200 g
Size	M30x1.5

Range/Distance

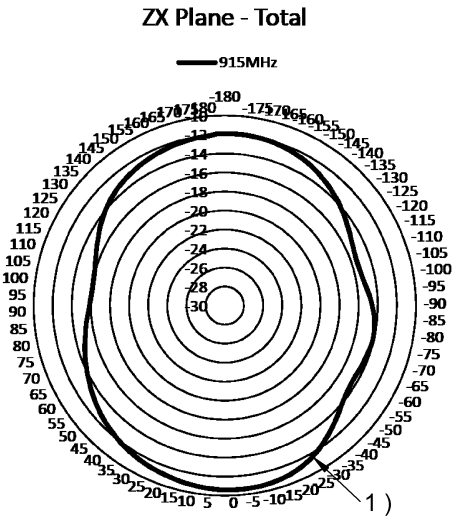
Axial ratio	3 dB
Opening angle min.	100°/170°

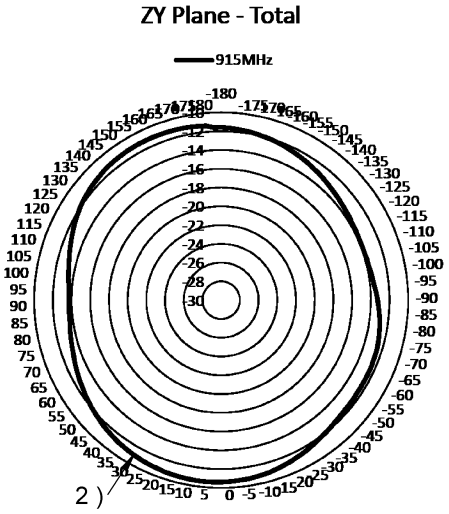
Remarks

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

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





1) Radiation diagram horizontal
2) Radiation diagram vertical