

Optimized for close ranges

COMPACT M30 UHF ANTENNA FOR SHORT READ DISTANCES

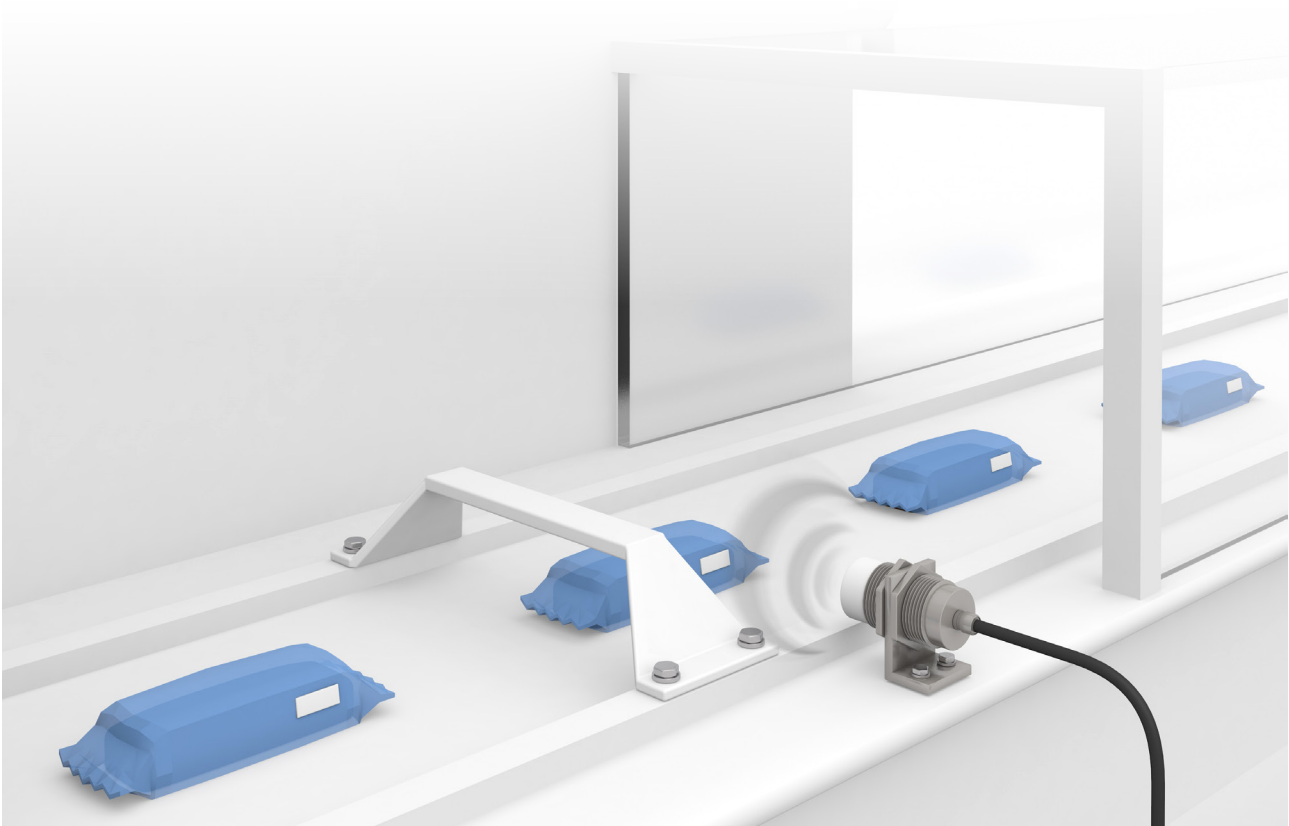
The BIS U-304 UHF antenna is optimized for close range and provides highly reliable detection over short read distances, typically 20 cm.

This short-range antenna is ideal for tracking fast moving processes and it can provide data transparency in many automation processes. It is particularly useful in applications involving process control, material handling or for format parts detection. Its compact M30 housing also makes it easy to install, even in tight mounting spaces.

Features

- Cylindrical form factor for simplified installation
- TNC socket for standard connector
- Opening angle 100°/170°
- For international use (frequency range ETSI and FCC available)
- Compatible processor units available: BIS U-602_/-612_ and BIS U-62_

CE



RFID



UHF ANTENNAS (860/960 MHz)	BIS01CP	BIS01CL
Style	M30 × 1.5	
Length	90.15 mm	
Housing material	Nickel-plated brass, PC	
Working frequency	864...870 MHz	913.5...919.5 MHz
Antenna gain	-10 dBic	-10.5 dBic
Antenna impedance	50 Ohm	
Polarization	Circular	
VSWR (voltage standing wave ratio)	2:1	
Front-to-back ratio	1 dB	
Axial ratio	3 dB	
Opening angle min.	100°/170°	
Storage/ambient temperature	-40...85 °C/-20...55 °C	
Connection	TNC female	
Approval/conformity	CE	

ACCESSORIES



	BAM01U0	BAM00HN	BAM0033	BAM00HH
Description	Mounting clamp, aluminum anodized	Mounting clamp, PA 6	Mounting system, stainless steel	Mounting bracket, aluminum

CONNECTIVITY



	BAM01HL	BAM01HM	BAM01HP	BAM01WP
Connection 1	R-TNC connector 7/16"-28 UNEF female, straight, 1-pole	R-TNC connector 7/16"-28 UNEF female, straight, 1-pole	R-TNC connector 7/16"-28 UNEF female, straight, 1-pole	R-TNC connector 7/16"-28 UNEF female, straight, 1-pole
Connection 2	R-TNC connector 7/16"-28 UNEF male, straight	R-TNC connector 7/16"-28 UNEF male, straight	R-TNC connector 7/16"-28 UNEF male, straight	R-TNC connector 7/16"-28 UNEF male, straight
Cable	1 m FRPE shielded, black	2 m FRPE shielded, black	10 m FRPE shielded, black	20 m FRPE shielded, black