

UHF Cylindrical Antenna M30



Applications

- Industrial Automation
- Supply Chain
- Asset Tracking
- Access Control

Features

- Stainless Steel & PC Housing
- Circular Polarization
- Up to 20cm reading distance
- IP67
- ETSI & FCC Versions

RFID Option

- UHF (EPC C1 GEN2 / ISO18000-6C)

Description

This space saving circular polarized Antenna can be easily and flexible mounted into any M30 connector. It is a compact and economical solution for various applications.

BLUEBOX UHF Cylindrical Antenna M30 perfectly fits assembly lines, production logistic and conveyor belt applications.

Its rugged Design guarantees total protection against dust and the effect of immersion. Reading distances of up to 20cm can be achieved.

iDTRONIC's M30 Cylindrical Antenna is available in two designs: A straight mounted version, and a 90° angled connection one.

Furthermore you have the choice between versions for the ETSI and FCC Region.

Technical Data

Electrical Specifications	
Antenna Gain	-8dBic
Beamwidth	100° / 170°
Axial Ratio	< 1.5dB
Operating Frequencies	865 - 867 MHz (ETSI) 902 - 928 MHz (FCC)
Operating Distance	up to 20cm*
Antenna Connector	TNC (Female)
Polarization	circular

Mechanical Specifications	
Housing Material	Stainless Steel + PC
Dimensions	M30 x 60mm M30 x 53mm (90° Version)
Weight	250g 200g (90° Version)
Protection Class	IP67

Environmental Conditions	
Operating Temperature	-20°C ... +55 °C
Storage Temperature	-20°C ... + 65°C
Humidity	5 % to 95 %

Supported Standards / Tags
ISO18000-6B ISO18000-6C
EPC Class 1 Gen 2

*Reading distance depends on tag, antenna and environmental conditions

Order Codes

Version	Order Code
M30 (ETSI)	R-IN-UHF-9131U
M30 (FCC)	R-IN-UHF-9133U
M30 90° (ETSI)	R-IN-UHF-9132U
M30 90° (FCC)	R-IN-UHF-9134U

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