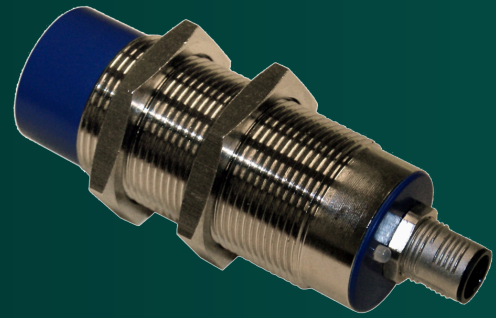


UHF | RAIN - Cylindrical Reader Kronotech - M30

- 840 MHz – 960 MHz
- Designed for 22mm mounting concept
- Integration into panel PC
- USB Type - A
- IP67 protection



UHF | RAIN - Cylindrical Reader Reliable Automation Unit

Unlock streamlined automation and high-performance identification with the BD5U012001E Industrial UHF RFID Reader. Designed for rugged industrial environments, this reader combines an integrated antenna, robust IP65 protection, and flexible communication interfaces to deliver reliable read/write performance in any application.

Engineered to support the ISO 18000-6C / EPC Class 1 Gen2 standard, the reader ensures fast, accurate tag detection with reading distances up to 40 cm depending on environmental conditions. Its compact M30 form factor makes it easy to integrate into machinery, gates, kiosks, and automated processes.

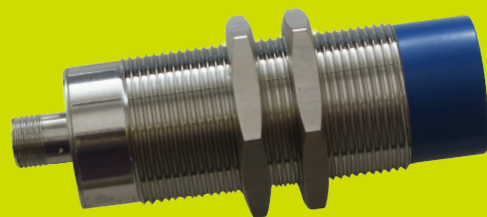
With multiple interface options—including RS232, RS485, and CAN bus—the BD5U012001E seamlessly connects to PLCs, industrial controllers, or PC-based systems. Firmware upgrades, an ANSI-C software library, and dedicated configuration tools provide exceptional flexibility for system integrators.

Thanks to its durable nickel-brass housing, wide operating temperature range (-20°C to +55°C), and IP65 rating, this RFID reader is ideal for access control, logistics, industrial automation, payment systems, parking systems, and door automation.

Choose from multiple interface models and optional accessories to build a complete, reliable solution tailored to your application.

Common Applications

- Access Control Systems
- Parking and Gate Automation
- Industrial Automation
- Logistics and Material Tracking
- Tool and Asset Identification



TECHNICAL SPECIFICATIONS

Electrical Features

| | |
|-------------------------|--|
| Supported Transponder | ISO 18000-6C (EPC Class 1 Generation 2) |
| Power Supply | 10 – 36 Vdc |
| Power Ratings | 4W@27dBm |
| Operating Frequency | 840 MHz – 960 MHz |
| RF Output Power | Max 500mW (27dBm), 1dB step software programmable |
| Antenna | Integrated |
| Reading Distance | 40cm* |
| Communication Interface | RS232, RS485, CAN bus |
| Signaling | 1 bicolor LED |
| Connections | 5-poles M12 A-coded male |

Mechanical Features

| | |
|------------------|-----------------------|
| Dimensions | D30 x 90.65 mm |
| Material | Nickel brass, plastic |
| Protection Class | IP65 |

Environmental Conditions

| | |
|-----------------------|---------------------------|
| Operating Temperature | -20°C ÷ +55°C |
| Storage Temperature | -40°C ÷ +85°C |
| Humidity | Up to 95%, non condensing |

Applicable Standards

| | |
|------------------|----------------|
| EMC | EN 301 489-1 |
| Radio Regulation | EN 302 208-2 |
| Safety | CEI EN 60950-1 |
| Human Exposure | CEI EN 50364 |

Versions

| |
|------------------------|
| RS232; RS485 or CANbus |
|------------------------|