**FEATURES & BENEFITS**

**PROFIBUS DP connectivity** for direct communication with industrial networks.

**COBALT HF™ architecture** including C-MACRO™ command software for easy integration.

**HF 13.56MHz Controller** supports multiple RFID air protocol standards including ISO15693 and ISO14443A to work with many tag types and vendors.

Full range of compatible antennas support read/write range from 5 to 50cm (2-20").

Direct-mount antenna installation eliminates cabling restrictions.

Rugged M12 Connectors and industrial design assure protection from moisture and dust in harsh environments.

Easy to read LED indicators provide helpful diagnostics for power, RF signal, communications, and Profibus status.

Rugged, highly connected COBALT HF™ RFID systems provide easily integrated and economical solutions for Auto-ID on the factory floor. Dust and moisture protection assure years of reliable operation in harsh environments.

**PROFIBUS™** brings each RFID read/write station directly in touch with the industrial communications network.

25+ years of experience with RFID systems for manufacturing are behind every EMS system, supported by Datalogic around the world.

**COMPATIBLE ANTENNAS**
- 10x10 cm: HF-ANT-1010-01
- 20x20 cm: HF-ANT-2020-01
- 30x30 cm: HF-ANT-3030-01
- 7x50 cm: HF-ANT-0750-01

**COMPATIBLE TAGS**
- EMS LRP-S Series
- EMS HMS Series
- EMS T-Series
- EMS I-Series
- I-Code™ SLi
- Mifare™ Classic
- Texas Instruments Tag-It™
- Fujitsu
- Infineon

**RFID AIR PROTOCOLS**
- ISO15693
- ISO14443A

www.ems-rfid.com
**HF-CNTL-PBS-02**

**DIMENSIONS mm[in]**

### SPECIFICATIONS

- **Dimensions**: 164x112x48mm
- **Power Supply**: 10-30VDC
- **Power Consumption**: Max 12 Watts
- **Protection Class**: IP66
- **Shock Resistance**: EN 60068-2-27 30G; 11ms
- **Vibration Resistance**: EN 60068-2-6 1.5mm;
  - 3 shocks on each axis
- **Power Consumption**: Max 12 Watts
- **Dimensions**: 164x112x48mm
- **Power Supply**: 10-30VDC
- **Protection Class**: IP66
- **Shock Resistance**: EN 60068-2-27 30G; 11ms
- **Vibration Resistance**: EN 60068-2-6 1.5mm;
  - 3 shocks on each axis
- **Operating Temperature**: -20 to 49 C (-4 to 120F)
- **Storage Temperature**: -40 to 85 C (-40 to 185F)
- **Humidity**: 100% non condensing
- **RF Power Output**: 1 Watt
- **Air Protocols**: ISO15693, ISO14443A
- **Connectors**: M12 (IP66)
- **Compliance**: FCC, CE, TELEC
- **Status LED’s**: Power, Comm, RF On,
  - Profibus Status, Mode.
- **Profibus Role**: Slave
- **BAUD Rates**: Auto Detect up to 12Mb
- **Profibus Version**: Profibus DP

### PROFIBUS CONNECTION CABLE

- **CBL-1438-01, -02, -03, -06, -30**

(-XX = lengths in meters)

---

Product and Company names and logos referenced may be either trademarks or registered trademarks of their respective companies. We reserve the right to make modifications and improvements.