



RFID Division

Hardware | Reader
RFID Reader
Series LF70

RFID Reader LongRange (Ethernet)

134.2 kHz



Ready
for
RFID ?

* Radio Frequency IDentification

- Reading range up to 100 cm
- Hot plug-in feature
- Ethernet interface



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Identification by radio frequency (RFID) provides a fast and safe identification of the object to be controlled. RFID guarantees the data exchange between reader and transponder, independent from contact or intervisibility and is able to even identify through different kinds of materials such as paper, plastic, liquid or dust. The RFID Reader LF70 Ethernet communicates with passive transponders

using the frequency LF 134.2 kHz. The device is suited for applications requiring higher reading ranges. Depending on the type of transponder and the surrounding conditions, the RFID Reader LF70 Ethernet enables reading ranges up to 100 cm.

The housing of the device is made from sturdy plastic with a type-IP54 protection (protection against dust and splash

water), particularly suitable for applications in rough surroundings.

The RFID Reader LF70 Ethernet is equipped with a serial interface which can be used for example for software updates. Collected data is processed via an Ethernet interface.

The reader can be installed during operation. The system is configured by means of a membrane keyboard which can be operated while the cover is open. This keyboard calibrates the antenna, tests the read/write functions and, if required, switches the RFID device into a test mode.

The RFID LF LongRange system is complemented by a rod antenna, which is available with a cable length of up to 6 meters.

| Partnumber | |
|------------------------|----------------------------|
| TLG- E2ML-1000-SP-0000 | Version 230 V |
| TLG- E2ML-0000-SP-0001 | Version 24 V DC |
| TLG- E2ML-0000-SP-N0E0 | Version 230 V DC + 1 Input |

| Specifications | |
|---------------------------------|--|
| Protocol | ASCII |
| Interface | Ethernet |
| Reading range | approx. 1070 mm 42.13 in. (120 mm / 4.72 in. Transponder Read only) |
| Writing range | approx. 270 mm 10.6 in. (32 mm / 1.26 in. Transponder glass tube) |
| Dimensions | 180 x 254 x 90 mm 7.1 x 10.0 x 3.5 in. |
| Weight | 1600 g 46.4 oz |
| Operating temperature | -20°C to 50°C -4°F to 122°F |
| Storage temperature | -30°C to 70°C -22°F to 158°F |
| Permissible humidity | 25% to 80% at 50°C 122°F |
| Protection mode | IP54 |
| Housing | Polycarbonate |
| Voltage | 20V - 30 V DC 230 V ACDC |
| Current | 110 mA passive |
| Current consumption active mode | 140 mA (max. Voltage 2A) |

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ID100004/17.06.2010

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