RFID Proximity Reader with Ethernet Interface
ID CPR50.10-E (13.56 MHz)

FEATURES
- Fast 10BASE-T/100BASE-TX Ethernet Interface
- Power over Ethernet
- Encrypted data transfer via Ethernet
- Operation modes „Polling Mode“ and „Notification Mode“
- Suitable for indoor- and outdoor use (IP54)
- Optional available: remote relay
RFID Proximity Reader ID CPR50.10-E

SHORT DESCRIPTION

Order description:

Proximity Reader Ethernet
ID CPR50.10-E

The ID CPR50.10-E is designed as a wall-mounted device for applications like access control, time attendance and ticketing. It supports transponders according to ISO14443-A & -B as well as ISO15693 and is able to communicate with NFC-devices.

Because of its Ethernet interface according to 10BASE-T / 100BASE-TX standard the reader is well suited for easy integration into an existing LAN environment. The integrated Power over Ethernet (PoE) power supply provides for an easy and secure installation.

Operation mode Notification-Mode reduces the necessary data traffic between Reader and Host to a minimum. Further data exchange with the transponder only starts if the host received a notification message from the reader in case of a detected transponder.

To protect the data transfer between reader and host an AES encryption standard (Rijndael-Algorithm) with 128 Bit key length can be configured.

If the reader shall be used to switch a relay or to monitor digital inputs, the I/O board ID CPR.I/O-A can be connected to the reader. The I/O board ID CPR.I/O-A can be placed in the secure interior of the building to protect the relay against sabotage from the outside.

Scope of delivery:

- Reader ID CPR50.10-E
- Surface spacer for surface mount installation
- Installation manual

Optional available:

- I/O board ID CPR.I/O-A

TECHNICAL DATA

Dimensions
Reader 84.2 x 84.2 x 22 mm (3.33x3.33x0.87 in)
Surface spacer 77.7 x 77.7 x 18 mm (3.07x3.07x0.71 in)
Housing Plastic ASA, Front: acrylic glass
Color Corpus: white / Front panel: black
Weight approx. 150 g
Protection class IP 54
Operating frequency 13.56 MHz
RF transmitting power 250 mW +/- 2 dB
Supply voltage Power over Ethernet (PoE) IEEE802.3af (44 V bis 54 V DC) max. 3.0 W
Power consumption ISO 14443-A1, ISO 14443-B1, ISO 15693B, NFC
Antenna integrated, approx. 70 x 70 mm (2.77x2.77 in)
Interface Ethernet 10BASE-T/100BASE-TX Automatic MDI/MDI-X cross over correction. TCP/IP protocol
LEDs Blue: power and TCP/IP socket connection
Beeper Green + Red: controlled by host integrated
Relay Connector for remote relay on optional I/O board ID CPR.I/O-A
Digital Inputs Connectors for two digital inputs on optional I/O board ID CPR.I/O-A maximum 7 cm
Reading distance -20 °C up to 70 °C
Temperature range Storage -40 °C up to 85 °C
Relative air humidity 95 % (non-condensing)
EEPROM 1 Million write cycles

STANDAD CONFORMITY

Radio approval
Europe EN 300 330
USA FCC 47 CFR Part 15
EMC EN 300 489
Safety
Low voltage EN 60950
Human Exposure EN 50364
Environment RoHS-2002/95/EC

FEIG ELECTRONIC reserves the right to change specification without notice at any time.
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