

RFID Card Reader for Access Control Systems ID CPR02.10 (13.56 MHz)



FEATURES

- Surface mounting & Flush mounting
- Multi-tag card reader for ISO-14443-A/B and ISO 15693 transponders
- Supports NFC-Applications
- Suitable for indoor and outdoor use (IP54)
- Serial Communication (RS232, RS485, Data/Clock [Wiegand])



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IDENTIFICATION



DESCRIPTION

Ordering Information:

ID CPR02.10-AD/-B RFID Card Reader

The ID CPR02.10-AD / -B is designed as a wall mountable card reader for contactless data exchange with common ISO 14443-A & -B and ISO 15693 Transponders. Typical applications are Access Control and Time Attendance.

The card reader requires an external power supply. For the data exchange to a computer or Host system the following communication links are available: Serial (RS232 or RS485) or Data/Clock (Wiegand).

Scope of Delivery:

- Card Reader ID CPR02.10-AD or ID CPR02.10-B
- Wall-mounted housing for surface mounting
- Installation Manual

TECHNICAL DATA

Dimensions

Card Reader	84 x 84 x 22 mm // 3.31 x 3.31 x 0.87 inch
Wall-mounted housing	78 x 78 x 18 mm // 3.07 x 3.07 x 0.71 inch

Housing

Plastic (ASA) / Front: Acrylic Glass

Color

white & black (front)

Weight

approx. 150 g / 5.3 oz

Protection Class

IP 54

Temperature Range

Operation: -25 °C to 60 °C

Storage: -40 °C to 85 °C

Relative Humidity

95 % (not condensing)

MTBF

338,000 h

Supply Voltage

12-24 V AC / DC

Power Consumption

max. 2.6 W

Communication Links

ID CPR02.10-AD RS232 and Data/Clock (Wiegand)

ID CPR02.10-B RS485 (max. 32 units on one Bus System)

LED

Multi-color (Red/Green/Orange)

RF Power

250 mW +/- 2 dB

Frequency

13.56 MHz

Antenna

internal, ca. 70 mm x 70 mm

Buzzer

integrated

Relays

1 (only ID CPR02.10-B)

Digital Inputs

ID CPR02.10-AD 3 (max. 3 m /10 ft cable length)

ID CPR02.10-B 2 (max. 3 m /10 ft cable length)

Reading Distance

max. 7 cm / 2.75 in*

Supported Transponders

ISO 14443-A¹

ISO 14443-B²

ISO 15693³

NFC⁴

¹ z.B. mifare® classic (mini, 1k, 4k), mifare® UltraLight, mifare® DESfire, Smart MX, my-d® proximity, SLE44R35S, SLE55R..., etc., Jewel™

² z.B. SLE66CL, ST19XR34, RF360 etc.

³ z.B. I-CODE SLI, Tag-it HFI, my-vicinity, STM LR1512 etc.

⁴ NFC Type 1, 2 and 4 in Read/Write and NFC Card-Emulation-Mode

* Distance depends on transponder used; listed reading distance is for a Transponder Inlet of 76 x 45 mm

STANDARD CONFORMITY

Radio Approval

Europe EN 300 330

EMV EN 301 489

Safety

Low Voltage EN 60950

Human Exposure EN 50364

Environment WEEE – 2002/96/EC

RoHS – 2002/95/EC



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