

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])





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	
Housing	Plastic (ASA) / Front: Acrylic Glass
Color	
Color	white & black (front)
Weight	
Weight	approx. 150 g / 5.3 oz
Protection Class	
Protection Class	IP 54
Temperature Range	
Temperature Range	Operation: -25 °C to 60 °C Storage: -40 °C to 85 °C
Relative Humidity	
Relative Humidity	95 % (not condensing)
MTBF	
MTBF	338,000 h
Supply Voltage	
Supply Voltage	12-24 V AC / DC
Power Consumption	
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	
LED	Multi-color (Red/Green/Orange)
RF Power	
RF Power	250 mW +/- 2 dB
Frequency	
Frequency	13.56 MHz
Antenna	
Antenna	internal, ca. 70 mm x 70 mm
Buzzer	
Buzzer	integrated
Relays	
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	
Reading Distance	max. 7 cm / 2.75 in*
Supported Transponders	
ISO 14443-A ¹	
ISO 14443-B ²	
ISO 15693 ³	
NFC ⁴	

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