

SO-MF3-W

MIFARE® PROXIMITY CARD READER

The **CR-MF3** reader can operate as:

- proximity card reader in the **INTEGRA** alarm system
- proximity card reader in the **ACCO NET** or **ACCO** access control system
- proximity card reader in systems of other manufacturers (OSDP, Wiegand)
- standalone door control module

Characteristics:

- user identification by MIFARE® proximity card
- built-in MIFARE proximity card reader (13.56 MHz):
 - Ultralight CSN/SSN
 - Classic CSN/SSN/MSN
 - DESFire (EV1 / EV2 / EV3) CSN/MSN
- supported OSDP protocol (OSDP protocol version 2.2; RS-485 bus)
- additional communication interface
 - EM-Marin (operation in the INTEGRA, ACCO NET or ACCO system)
 - Wiegand
- programming in the **CR Soft** program or using **MC-SRV-8** service card
- LED indicators (4 pcs.)
- built-in buzzer (volume adjustable)
- optical tamper protection against opening of the enclosure and tampering with the device or installation
- available in white (**SO-MF3-W**) and black (**SO-MF3-B**)

Properties for individual modes of operation

Proximity card reader in the INTEGRA alarm system

- required connection to the INT-R expander for card / chip readers
- functions activated by proximity card:
 - arming/disarming and alarm cancelling in partition
 - door opening
 - control of *24. MONO switch* and *25. BI switch* type outputs

Proximity card reader in the ACCO NET or ACCO system

- required connection to ACCO-KP series access control module
- functions activated by proximity card:
 - door opening
 - blocking / unblocking a door

Proximity card reader in systems of other manufacturers

- selection of the communication interface:
 - OSDP (RS-485 bus)
 - Wiegand

Standalone door control module



- support for up to 128 proximity cards
- functions activated by proximity card:
 - door opening
 - blocking / unblocking a door
- possibility to specify the number of times a card is used
- relay output for controlling an electric strike, electromagnetic lock or other device which activates the door
- door status input
- request-to-exit input

TECHNICAL DATA

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|---|---------------------|
| Supply voltage | 12 V DC±15% V DC |
| Operating temperature range | -25°C...+55°C |
| Standby mode current consumption | 63 mA |
| Max. current consumption | 112 mA |
| Weight | 87 g |
| Maximum humidity | 93±3% |
| Dimensions | 45 x 128 x 21 mm |
| Relay outputs (resistive load) | 1 A / 30 V DC |
| Reader operating frequency | 13,553...13,567 MHz |
| Reading range for the MC-DF3-2 encrypted card | up to 55 mm |

