

# CR-MF3

## 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
- LED indicators (3 pcs.)
- built-in buzzer (volume adjustable)
- optical tamper protection against opening of the enclosure and/or removing it from the wall
- for indoor or outdoor installation

### 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

|   |                     |
|---|---------------------|
| Supply voltage                                | 12 V DC             |
| Operating temperature range                   | -25°C...+55°C       |
| Standby mode current consumption              | 66 mA               |
| Max. current consumption                      | 110 mA              |
| Weight  | 118 g               |
| Maximum humidity                              | 93±3%               |
| Dimensions                                    | 47 x 158 x 30 mm    |
| Relay output (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 45 mm         |

