

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 **BE WAVE Hybrid** and **BE WAVE Wire** 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 (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
IP code	IP54
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