

# SO-MF5-B

## KEYPAD WITH MIFARE® PROXIMITY CARD READER

The **SO-MF5** keypad can operate as:

- **INT-SCR** partition keypad in the **INTEGRA** alarm system
- **ACCO-SCR** keypad with proximity card reader in the **ACCO NET** or **ACCO** access control system
- keypad with a proximity card reader for other manufacturers (OSDP, Wiegand)
- standalone door control module

Characteristics:

- user identification by code and/or MIFARE® proximity card
- keypad with white backlight
  - 12 code entry keys
  - 2 function keys F1 and F2
- 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:
  - INT-SCR (operation in the INTEGRA system)
  - ACCO-SCR (operation in the ACCO NET or ACCO system)
  - Wiegand (operation in other manufacturer's system)
- programming in the **CR Soft** program or using **MC-SRV-8** service card
- LED indicators (4 pcs.)
- OC type output (BELL) controlled with the F1 function key
- built-in buzzer (volume adjustable)
- special hole for installation in the installation opening and removal from the wall
- available in white (**SO-MF5-W**) and black (**SO-MF5-B**)

### Properties for each operation mode:

INT-SCR partition keypad in the INTEGRA alarm system

- functions activated by code and/or proximity card:
  - arming/disarming and alarm cancelling in partition
  - door opening
  - control of 24. *MONO switch* and 25. *BI switch* type outputs
  - confirmation of guard round
  - activation of a temporary partition blocking function
  - bypassing cash machine zones
  - code change by the user
- functions activated without using a password / proximity card:
  - quick arming
  - alarm triggering using the keypad
  - alarm muting on the keypad
- controlling access to a single door
- activation of an additional function using the F1 function key
- relay output to control an electric strike, electromagnetic lock or other device which activates the door
- door status input
- request-to-exit input
- configuration of the INT-SCR keypad settings – using the DLOADX program or the keypad

ACCO-SCR keypad with proximity card reader in the ACCO NET or ACCO system

- functions activated by code and/or proximity card:
  - door opening

- blocking / unblocking a door
- activation of an additional function using the F1 function key
- configuration of the ACCO-SCR keypad settings using the ACCO Soft (ACCO NET system) / ACCO SOFT-LT program (ACCO system)

Keypad with a proximity card reader in systems of other manufacturer

- selection of the communication interface:
  - OSDP (RS-485 bus)
  - Wiegand
- activation of an additional function using the F1 function key

Standalone door control module

- support for up to 128 codes
- support for up to 128 proximity cards
- functions activated using a code / proximity card:
  - door opening
  - blocking / unblocking a door
  - code change by the user
- possibility to specify the number of times a card/code is used
- activation of an additional function using the F1 function key
- relay output to control an electric door strike, magnetic lock or other device activating a door
- door status input
- request-to-exit input

## TECHNICAL DATA

|   |                     |
|---|---------------------|
| Supply voltage                                | 12 V DC ±15% V DC   |
| Operating temperature range                   | -25°C...+55°C       |
| Standby mode current consumption              | 65 mA               |
| Max. current consumption                      | 120 mA              |
| Weight  | 93 g                |
| Maximum humidity                              | 93±3%               |
| Dimensions                                    | 45 x 128 x 21 mm    |
| Relay output (resistive load)                 | 1 A / 30 V DC       |
| BELL output, OC type                          | 30 mA / 12 V DC     |
| Reader operating frequency                    | 13,553...13,567 MHz |
| Reading range for the MC-DF3-2 encrypted card | up to 55 mm         |

