



AR6181-MX, AR6182-MX

Access Control

Multi-Technology card reader

to read ISO14443-A, ISO14443-B and ISO15693 cards

- **13,56 MHz proximity reader technology**
- **Multi protocol**
- **Configuration using configuration card or software tool**
- **Can be connected to different access control systems**

The AR6181-MT and AR6182-MT proximity readers in Square housing are part of the access reader range.

The readers are specially designed for access control applications using ISO14443-A, ISO14443-B and ISO15693 standard to read e.g. the unique card number or the personalised ID-number from proximity/vicinity cards like Mifare, my-C or my-D cards.

The configuration of the readers can be done by using a configuration card or a terminal program.

The readers AR6181-MX and AR6182-MX offer different interfaces with various protocols, allowing a connection to different access control system.



AR6181-MX Card Reader (13,56 MHz)

- Transmission frequency 13,56 MHz
- The following card technologies are supported:

ISO14443-A:

- Mifare 1k und 4k (UID, S/B, MAD)
- Mifare UltraLight (UID, B)
- Mifare DesFire (UID, B)
- my-D proximity (UID, B)

ISO14443-A+B:

- my-C (UID)

ISO15693:

- my-D vicinity (UID)
- I-Code SLI (UID)
- Tag-IT HFI (UID)
- LRI512 (UID)

Legend:

UID: unique serial number

S/B: Data from Sector/Block

B: Data from Block

MAD: Mifare Application Directory

- Configuration using configuration card or software tool
- Up to 7 cm read range, depending on mounting environment card technology and type
- DIP-switch for functionality selection
- Flash-Memory for Firmware updates
- Three-colour LED for status display and buzzer for audible signals
- Reader power from the power supply of the door controller
- "Touch and Go" operation



AR6182-MX Card Reader with keypad (13,56 MHz)

as per card reader AR6181-MX

- with additional keypad for PIN-code entry
- Keypad, 12 keys: 10 keys 0 – 9, C- and E-key

Reader interfaces and protocols

The card readers AR6181-MX and AR6182-MX offer two different interfaces with various protocols.

Overview:

Interface	Protocol
RS485	CerPass reader protocol
	UCI protocol
Clock/Data	OMRON emulation
	Wiegand emulation

Note:

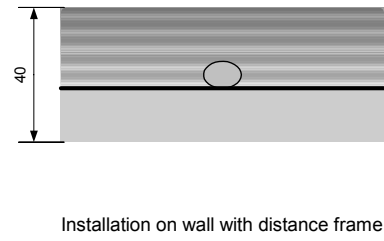
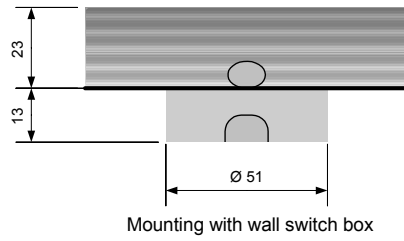
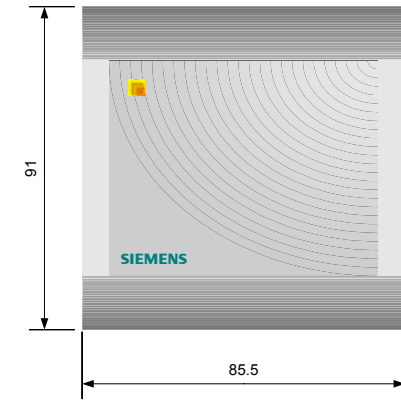
Only the RS485 interface supports bus supervision between card reader and the access control system. Therefore, if using Clock/data interface, a line interruption between card reader and access control system will be not monitored, as well as a forced removal of the card reader remains unnoticed.

Installation

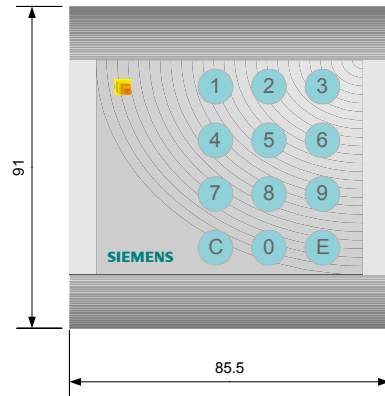
Recommended for wall installation with or without distance frame on even surface. Can also be installed in standard recess boxes DIN 49073. For installation and connection please follow the instructions of the operating manual.

Dimensions (in mm)

AR6181-MX



AR6182-MX



Technical data

Power supply	12-24 V DC/AC ($\pm 15\%$)
Power consumption	Max. 3 W
Interfaces	
RS-485	CerPass / UCI reader protocol
Clock/Data	Omron / Wiegand emulation
Operating temperature	-20 to +60 °C
Keypad	
AR6181-MX	no
AR6182-MX	yes, > 1.000.000 operations
Protection class	IP65
Standards	CE, FCC
Conforming	to VDE 0830 i.e. separate door control unit with power supply, detached from the reader terminal
Dimensions in mm (h x w x d)	
Without distance frame	91 x 85,5 x 23
With distance frame	91 x 85,5 x 40
Colour	Silver (RAL9006)
Material	PC / ABS plastic (injection moulding), varnish

Details for ordering

Type	Part no	Designation	Weight
AR6181-MX	6FL7170-8BK	AR6181-MX – Multi-Technology card reader	0,15 kg
AR6182-MX	6FL7170-8BL	AR6182-MX - Multi-Technology card reader with keypad	0,15 kg
ABP5100-PR	6FL7820-8KB10	ABP5100-PR – Pre-printed Mifare card with Access Control logo (10 pieces)	0,1 kg
ABP5100-BL	6FL7820-8KB20	ABP5100-BL – Printable Mifare cards, white (10 pieces)	0,1 kg
	6FL7195-3VU02-1DN0	ID-card Mifare, white, blank, not personalised	0,6 kg

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