



proX2-reader "Accentric"

Intelligent readers and operating units for access control systems,
- with and without keypad

The proX2-readers "Accentric" are used as contactless readers and operating units in access control systems.

Random switching and control functions can be defined via the macro programming of the AC central control unit in addition to the AC functions "authorized/not authorized". These functions can be invoked via the reader keypad by the corresponding input. The mifare-readers "Accentric" have different interfaces available, providing a wide variety of application options (see below).

Features

- Straightforward, logical operating concept.
- Simple start-up.
- Simple RS-485 address assignment, manual or automatic.
- The reader is protected against moisture.
- Can be used indoors and outdoors at temperatures from -25 °C to +55 °C.
- Simple installation with two or three screws in the wall.
- The reader can also be mounted directly on ordinary commercial DIN flush mounted sockets.
- The housing faceplate can be changed subsequently (various colors are available).

Special features of the contactless reader:

- A new evaluation procedure ensures extremely stable transmissions.
- Automatic identification of different transponder types (EM 4102, EM 4150).
- Semi-automatic range adaptation is possible on virtually all mounting surfaces, also on metal (not 026420.20).
- Transmission range can be set within specific limits (not 026420.20).
- Up to four readers installed in close proximity to each other can be synchronized (not 026420.20 and 026421.20).
- Low current consumption (<11 mA on average).

Special features of the keypad:

- International marking of the LEDs and keypad.
- Abrasion-resistant 10-digit keypad with 6 additional function keys.
- Tactile and acoustic feedback.
- Designed for use at night with timed background illumination.

LED indication:

The three LEDs (green, yellow, red/green) and the buzzer are controlled by the AC control panel in normal operation. The definition for each is specified in the main software and not at the reader.

Interfaces:

The readers 026420.10 and 026421.10 have the interfaces **clock/data** and **RS-485** that can be used alternatively. When started up, the reader automatically identifies the interface that is in use.

The readers 026420.20 and 026421.20 have a **Wiegand interface**.

- Properties:

RS-485 Bidirectional interface with "Modulbus" protocol
 Suitable for ACS-8
 Interface range up to 1200 m

Clock/Data Unidirectional interface
 Data protocol ACS-8, ACS-2 plus and ACT
 TTL-level, 4 bit code according to DIN 9785
 active = LOW
 Interface range up to 200 m

Wiegand Unidirectional interface

- Connection possibilities:

Device	Interface	
	CI/D or RS-485 (026420.10/421.10)	Wiegand (026420.20/421.20)
Door module	X	
ACT	X	
ACS-2	X	
ACS-2 plus	X	
ACS-8 direct	X	
ACS-8 Module bus	from V06.xx	
NetAXS-123		X

Technical data

Operating voltage	12 V DC / 24 V DC
Operating voltage range	9 V to 15 V DC
Current consumption in standby mode	< 11 mA (average)
Timed read/write mode	< 50 mA (including status indicators)
Background illumination	< 4 mA (up to 8 mA limited to 5 sec.)
Reading distance	up to 8 cm; depending on transponder typ and mounting site
Interfaces	RS-485 and Clock/Data (026420.10, 026421.10) Wiegand (026420.20, 026421.20)
Connection cable	12-wire shielded, length 6 m
Protection category as per EN 60529	IP 65
Environmental class as per VdS	III
Operating temperature range	-25 °C to +55 °C
Housing dimensions (W x H x D)	75 x 142 x 32 mm
Colour	white aluminium (similar to RAL 9006)

Ordering information



white aluminium (similar to RAL 9006)



anthracite
(atlas gray metallic)



pure white
(similar to RAL 9010)

Item no.	Description
026420.10	proX2-reader "Accentric" without keypad RS-485 and Clock/Data interface
026420.20	proX2-reader "Accentric" without keypad Wiegand interface
026421.10	proX2-reader "Accentric" with keypad RS-485 and Clock/Data interface
026421.20	proX2-reader "Accentric" with keypad Wiegand interface

Accessories

Item no.	Description
023314	White aluminium housing cover for reader with keypad
023315	Pure white housing cover for reader with keypad
023316.99	Anthracite housing cover for reader with keypad
023317	Pure white housing cover for reader without keypad
023318	Anthracite housing cover for reader without keypad
023319	White aluminium housing cover for reader without keypad
023501	Decorative screening / weather protection
023329	Mounting plate

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