mifare reader "Accentic"

mifare DESFire EV1 reader "Accentic"

Intelligent readers and operating units, with and without keypad, for access control and IDS applications

The mifare-readers "Accentic" and mifare DESFire EV1 readers "Accentic" are used as contactless readers and operating units in access control and intrusion detection systems (IDS with DESFire EV1 readers in preparation).

A combination of transponder and PIN can be used for performing functions via the keypad. Additional functions (e.g. switching and control functions/macros) that can be activated via the operating unit keypad can be defined in the programming of the evaluation unit or control panel.

The mifare-readers "Accentic" 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.

- Up to four readers installed in close proximity to each other can be synchronized.

- Low current consumption.

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 of the reader (green, yellow, red/green) are controlled by the evaluating unit / control panel in normal operation. Depending on the evaluating or control panel used, the function is pre-assigned or can be programmed.

Interfaces:

mifare readers (026422 and 026423)

RS-485   Bidirectional interface with "Modulbus" protocol
Suitable for ACS-8, IK3 Evaluation unit
and Door controller module for MB
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

mifare DESFire EV1 readers (026435 and 026436)

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

Features of mifare DESFire EV1 reader:

- By use of DESFire EV1 readers extreme safety is available because of the encoding procedure AES (Advanced Encryption Standard).

- Mifare DESFire EV1 readers meet the requirements of VdS and BSI for access and intrusion systems.

- In mifare DESFire EV1 data carriers the entire data area for other applications is available.

- Mifare DESFire readers EV1 are working on the ACS-8 and allow the user and key management by using IQ MultiAccess.

- Simultaneous use of two keys possible, where at the old keys can be valid for a certain time until all users have provided their cards with the new key.

VdS **approvals:** Class C for IDS and ACS

Technical data

Operating voltage	12 V DC / 24 V DC
Operating voltage range	9 V to 30 V DC
Current consumption in standby mode	< 30 mA (average)
Timed read/write mode	< 55 mA (including status indicators)
Background illumination	< 4 mA (up to 8 mA limited to 5 sec.)
Reading distance	
- mifare-readers (026422 and 026423)	up to 8 cm; depending on transponder typ and mounting site
- mifare DESFire EV1 readers (026435 and 026436)	1.5 cm (only cards)
Interfaces:	
- mifare-readers (026422 and 026423)	RS-485 and Clock/Data
- mifare DESFire EV1 readers (026435 and 026436)	RS-485
Connection cable	12-wire shielded (5-wire DESFire EV1 readers), length 6 m
Protection category as per DIN 40 050	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 aluminum (similar to RAL 9006)

Ordering information

white aluminum (similar to RAL 9006)

Item No.	Description
026422	**mifare-reader "Accentic" without keypad** RS-485 and clock/data interface (ACS-8 compatible) **VdS** approval: G107016 (IDS), Z107003 (ACS)
026423	**mifare-reader "Accentic" with keypad** RS-485 and clock/data interface (ACS-8 compatible) **VdS** approval: G107017 (IDS), Z107004 (ACS)
026435	**mifare DESFire EV1 reader "Accentic" without keypad** RS-485 interface **VdS** approval: G111004 (IDS), Z111001 (ACS)
026436	**mifare DESFire EV1 reader "Accentic" with keypad** RS-485 interface **VdS** approval: G111005 (IDS), Z111002 (ACS)

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
026487	USB Desktop-Reader Mifare Classic & DESFire

pure white
(similar to RAL 9010)

anthracite
(atlas gray metallic)

Honeywell

P30715-22-0G0-05
02.2011 · Subject to change without notice
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