8 CD 2.0 MI D Pin

DISPLAY READER
110 x 43 x 24 mm

Product features and benefits

- DESFire reader with 2,4 inch colour display

- Display is sunlight readable

- Convenient mechanical keypad with raised keys, freely programmable function keys

- Provides more detailed feedback about reading events (e.g. access granted / access denied)

- Greater user interactivity (via keypad and function keys)

- Supports OSDP v2

- Supports mobile identification

Electrical specifications

Operating frequency	13,56 MHz
Voltage	+10 .... +30 VDC
Keypad type	3 x 4 mechanical keypad with three additional function buttons
Screen resolution	320 x 240
Screen lifetime	50000 h

Supported card technologies

RFID chip support	MIFARE® DESFire EV1 & EV2 & EV3; UID + Application files. MIFARE® Classic; UID + Sectors. MIFARE® Ultralight; UID + Pages. MIFARE® Plus X, S, SE, Ev1, Ev2; UID security levels 1 and 3. MIFARE® SmartMX (MIFARE® Classic emulation mode)
Additional Security feature for DESFire	Support for DESFire EV1, EV2 & EV3 random UID, and proximity EV2 & EV3
UID selection	Reader can be configured to read either 4 or 7 Byte UIDs, or both. For improved security UID reading can be disabled

Mechanical specifications

Housing material	Plastic
Installation method	With screws
Cable	Pigtail
Cable length	3 m
Connectors	Yes
Colour	Black
Protection class	Units with cable: IP67 Units with connector: IP54

Environmental specifications

Operational temperature range	-30 C° - +55 C°
Storage temperature range	-30 C° - +55 C°

Interface specifications

Available interfaces	OSDPv2, RS-232
RS-485	OSDPv2
Inputs / Outputs	1 General purpose input

Standards and regulations

EMC	Meets CE requirements
Field strength	According to EN300330
Encryption	AES or triple DES between card and reader, secure channel between reader and host (OSDPv2)

Other features

LEDs and LED control	3 x three-colour, LED control with by protocol
Buzzer and buzzer control	Yes. Buzzer control by protocol
Tamper	Optical tamper
Keypad backlight control	By protocol
Configuration	With Mobile Coder app or one DESFire EV1 / EV2 / EV3 configuration card; Configure only after reset option
BLE-NFC Requirements - Android	Android 5.0 or higher Bluetooth; 4.1 or higher, NFC by Android; 5.0 or higher
BLE-NFC Requirements - iOS	iOS 10 or higher Bluetooth; 4.1 or higher, NFC not supported by Apple

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