

8 CD 2.0 OSDP v.2

**BASIC**

110 x 43 x 24 mm

**SLIM**

141 x 43 x 19 mm

**SLIM PIN**

141 x 43 x 19 mm

**DESKTOP**

95 x 62 x 24 mm

**VS**

148 x 45 mm

Thickness: 25 mm with cable,
25 mm + 10 mm with connector**VM**

126 x 84 mm

Thickness: 28 mm with cable,
28 mm + 9 mm with connector**VS PIN**

148 x 45 mm

Thickness: 25 mm with cable,
25 mm + 10 mm with connector**VM PIN**

126 x 84 mm

Thickness: 28 mm with cable,
28 mm + 9 mm with connector**SIA VERIFICATION**8 CD 2.0 Slim OSDPv.2,
8 CD 2.0 Slim Pin OSDPv.2,
8 CD 2.0 VS Pin OSDPv.2,
8 CD 2.0 VM Pin OSDPv.2

Product features and benefits

- Secure channel
- Configuration by protocol commands, by configuration card or with Mobile Coder
- Durable and reliable access control reader armed with highest level Mifare® DESFire security
- Built-in OSDP v. 2 support, enabling bi-directional reader-controller communication
- Eco-sensitive construction - less epoxy and lower power consumption
- Powerful, unique and customisable security features you choose and program yourself
- Open technology: no device supplier of technology dependencies
- Easy and convenient technology and security level migrations

Electrical specifications

Operating frequency	13,56 MHz
Voltage	+10 +30 VDC
Power consumption	Basic, Slim, Desktop: max. 1,4 W in Idesco default configuration VM, VS: max. 1,7 W in Idesco default configuration Slim Pin: max. 1,7 W in Idesco default configuration VM Pin and VS Pin: max. 2,5 W in Idesco default configuration

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
UID selection	Reader can be configured to read 4-byte and/or 7-byte UID's. For improved security, UIDs can be disabled

Mechanical specifications

Keypad type	2 x 6 Capacitive (Slim Pin) 2 x 6 moving keypad with a dot on key 5 (VS Pin) 3 x 4 moving keypad with a dot on key 5 (VM Pin)
Housing material	Plastic
Installation method	With screws. VM Pin can also be installed to a standard electrical socket with screws
Cable	LIYY 3m
Cable length	3 m
Connectors	Basic, Slim, Slim Pin, VM, VM Pin, VS and VS Pin (pigtail as a default)
Colour	Black
Customized versions	Yes, with sticker or lens or customer specific programming
Protection class	Units with cable; IP67 Units with connector; IP54
IK-rating	Basic: IK-10; Slim, Slim Pin, VM, VM Pin, VS and VS Pin housings: IK-09
Flammability class	Basic, Slim, Slim Pin, VM, VM Pin, VS and VS Pin housings: Horizontal specimen UL94 HB, vertical specimen UL94 V-2

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Environmental specifications

Operational temperature range	Basic, Slim and Slim Pin: -40 C° - +55 C°; VM, VM Pin, VS and VS Pin: -30 C°- +55 C°
Storage temperature range	Basic, Slim and Slim Pin: -40 C° - +55 C°; VM, VM Pin, VS and VS Pin -30 C°- +55 C°

Interface specifications

Available interfaces	RS-485 with OSDPv2 and RS-232
RS-485 options	OSDP v.2(installation mode compatible with OSDPv1, without CRC calculation)
Inputs / Outputs	1 General purpose input / 2 outputs

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

Other features

LEDs and LED control	3 x Three-colour LED. LED control by protocol
Buzzer and buzzer control	Buzzer control by protocol
Tamper	Optical tamper
Keypad backlight control	By protocol
Re-read delay	Adjustable
Configuration	Configuration by DESFire EV1/EV2/EV2 configuration card (only one card required), Mobile Coder phone app or directly from system by OSDP File Transfer command
Value file support	Reader can be set to credit / debit value from value file cards

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