

# 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





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 cable, 28 mm + 9 mm with connector



SIA VERIFICATION 8 CD 2.0 Slim OSDPv.2, Thickness: 28 mm with 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

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# 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

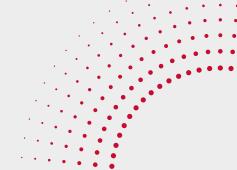
RFID chip support	MIFARE® DESFire EV1 & EV2 & EV3; UID + Application files. MIFARE® Classic; UID + Sectors.  MIFARE® Ultralight; UID + Pages. MIFARE® Plus X, S, SE, Ev1, Ev2; UID security levels 1 and 3.  MIFARE® SmartMX (MIFARE® Classic emulation mode)
Additional Security feature for DESFire	Support 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)
	$2 \times 6$ 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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