

8 CD 2.0 VS Pin & VM Pin



VS PIN

148 x 45 x 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



Product features and benefits

- Secure access control reader with pin code identification
- Highly configurable with mobile phone or configuration card
- Eco-sensitive construction - less epoxy and lower power consumption
- User-friendly tactile keypad, and visible LED
- Also a version supporting mobile credentials available



Electrical specifications

Operating frequency	13,56 MHz
Voltage	+10 +30 VDC
Power consumption	2,5 W in Idesco default configuration
Keypad type	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)

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. VM Pin can also be installed to a standard electrical socket with screws.
Cable	LIYY
Cable length	3 m
Connectors	Available (cable as default)
Colour	Black
Customized versions	Yes, with sticker or customer specific programming
Protection class	Units with cable; IP67. Units with connector; IP54
IK-rating	IK-09
Flammability class	Horizontal specimen UL94 HB, vertical specimen UL94 V-2

Environmental specifications

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

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Interface specifications

Available interfaces	Wiegand, RS-232, RS-485, Clock&Data
OSDPV2	Available as separate product version 8CD 2.0 OSDP v2
Clock & data format	10 BCD format for Mifare Classic sectors and for Mifare Desfire application
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

Other features

LEDs and LED control	RGB Led modes can be configured. Led can also be controlled by wire or by OSDPV2 protocol commands
Buzzer and buzzer control	Yes. Buzzer modes can also be configured. Buzzer can also be controlled by wire or by OSDPV2 protocol commands
Optical tamper	Configurable optical tamper
Alive message	For Wiegand 4, 6 and 8 -bit and a detailed 38-bit option. For C&D a fixed format
Keypad backlight(s)	Adjustable
Re-read delay	Adjustable
Configuration	With Mobile Coder app or one DESFire EV1 / EV2 / EV3 configuration card; Configure only after reset option; via Mobile Coder app or configuration card. Configuration can also be done over OSDPV2 interface.
Value file support	Reader can be set to credit / debit value from value file cards

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