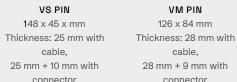


8 CD 2.0 VS Pin & VM Pin







VM PIN 126 x 84 mm cable.



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 |
| 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

| 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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