

8 CD 2.0 OSDPv2



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 OSDPv2 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, and proximity EV2, EV3 |
| 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 and VM Pin can also be installed to a standard electrical socket with screws |
| Cable | LIYY |
| 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 | OSDPv2 (installation mode compatible with OSDP, 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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