



8 CD 2.0 OSDP v.2

- Secure channel
- Configuration by protocol commands or by configuration card
- Durable and reliable access control reader armed with highest level Mifare® DESFire security
- Built-in OSDP v. 2.1.7 support, enabling bi-directional reader-controller communication
- Extremely low power consumption
- Eco-sensitive construction
- Powerful, unique and customisable security features you choose and program yourself
- Open technology: no device supplier of technology dependencies
- Robust, reliable, flexible and utterly secure standalone capability
- Easy and convenient technology and security level migrations

Technical specifications

Operating Frequency	13,56 MHz
Voltage	+10 ... +30 VDC
Current Consumption	20 mA @ 24 VDC, max 60 mA
RFID chip support	MIFARE® DESFire Ev1 & EV2 & EV3: UID + Application files , MIFARE® Classic: UID + Sectors, MIFARE® Ultralight UID + Pages, MIFARE® Plus UID security levels 1 and 3, MIFARE® SmartMX (MIFARE® Classic emulation mode), NFC (UID), Mifare Classic 7 Byte UID + sectors.
Keypad	2 x 6 Capacitive (Slim Pin), 2 x 6 Moving keypad (VS Pin), 3 x 4 Moving keypad (VM Pin)
Dimensions of housing (hwxwd)	Basic: 110 x 43 x 24 mm, Slim / Slim Pin: 141 x 43 x 19 mm, VM / VM Pin: W: 84,48 mm x H:126,25 mm. Thickness: 28 mm (with cable), 28 mm + 8,5 mm (with connector), VS / VS Pin; W: 44,96 mm x H: 148,3 mm. Thickness: 25,3 mm (with cable), 25,3 mm + 10 mm (with connector), Desktop: 95 x 62 x 24 mm
Material of housing	Plastic
Installation method	VM / VM Pin: To a standard electrical socket with screws
Colour	Black
Customized versions	Yes, with sticker
Protection class	IP67: with the pigtail cable option, IP54: with the connector option
IK rating	Basic: IK-10. Slim, VM and VS: IK-09
Inflammatory class	Slim housing: Horizontal specimen: UL94 HB, vertical specimen: UL94 V-2
Operational temperature range	Basic & Slim: -40 °C - +55 °C, VM/VS> -30 °C- +55 °C
Storage temperature range	Basic & Slim: -40 °C - +55 °C, VM/VS> -30 °C- +55 °C
I/O's	2 FET output, 1 General purpose input
RS-485	OSDP v.2.1.7 (installation mode compatible with OSDPv1, without CRC calculation)
EMC	Meets CE requirements
Field strength	According to EN300330
Encryption	AES or triple DES between card and reader, secure channel between reader and host
Cable	LIYY 3m, delivered only with pigtail reader
Connector option	Yes (pigtail as a default)
LED	3 x Three-colour LED
Led control	By protocol
Buzzer	Yes
Buzzer control	By protocol
Optical Tamper	Yes
Keypad backlight control	By protocol
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

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