

8 CD 2.0 VM Pin & VS Pin

Keypad reader with moving keys

- Durable and reliable access control reader armed with highest level Mifare® DESFire security
- Extremely low power consumption – up to 60 % more energy-efficient
- Eco-sensitive construction
- Profoundly convenient configurations - no uninstalling or power-down required!
- Powerful, unique and customisable security features you choose and program yourself
- Open technology: no device supplier of technology dependencies
- Compatible with your current Mifare® card population
- Robust, reliable, flexible and utterly secure standalone capability
- Easy and convenient technology and security level migrations



Technical specifications

Operating Frequency	13,56Mhz
Voltage	+10 +30 VDC
Current Consumption	20 mA @ 24 VDC, max 60 mA
RFID chip support	MIFARE® DESFire Ev1: 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. Mifare DESFire Ev2: UID+application files
Dimensions of housing (hwxwd)	VM Pin; W: 84 mm x H:120 mm. Thickness: 24 mm + 2 mm (with cable), 24 mm + 8,5 mm (with connector) VS Pin; W: 45 mm x H: 148 mm. Thickness: 30 mm + 2 mm (with cable), 30 mm + 10 mm (with connector)
Material of housing	Plastic
Colour	Black
Customized versions	Yes, with sticker
Keypad	Moving keypad with a dot on key five
Protection class	IP67, with the pigtail cable option IP54, with the connector option
IK rating	VM Pin: IK-09, VS Pin: IK-09
Operational temperature range	-30 °C - +55 °C
Storage temperature range	-30 °C - +55 °C
I/O's	2 FET output, 1 General purpose input
Interfaces	Wiegand, RS-232, OSDP v2.1.7
EMC	Meets CE requirements
Field strength	According to EN300330
Encryption	AES or triple DES between card and reader
Cable	LIYY 3m, delivered only with pigtail reader
Connector option	Yes
LED	Three-colour LEDs
Led control	Pre-configured or via RS485 OSDP / OSDP v2.1.7 protocol
Buzzer	Yes
Buzzer control	Pre-configured or via RS485 OSDP / OSDP v2.1.7 protocol
Optical Tamper	Yes
Configuration	Configuration card

Eco 20 is a new generation of Idesco products. Eco 20 stands for less power consumption, improved connectivity with other products and smaller carbon footprint through sustainable manufacturing materials and methods.

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