

# 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 – up to 60 % more energy-efficient
- 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	13,56Mhz
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.
Keypad	2 x 6 Capacitive, 3 x 4 mechanical
Dimensions of housing (hwxwd)	Quattro Pin SD: 85,1 x 85,1 x 24 mm. VM & VM Pin: 84 x 120 mm. Thickness: 24 mm + 2 mm (with cable), 24 mm + 8,5 mm (with connector). Slim & Slim Pin: 141 x 43 x 19 mm
Material of housing	Plastic
Installation method	Quattro: 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	Slim, Slim Pin: IK-09
Inflammatory class	Slim and Quattro housings: Horizontal specimen: UL94 HB, vertical specimen: UL94 V-2
Operational temperature range	-40 °C - +55 °C
Storage temperature range	-40 °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	By protocol commands or with Idesco DESCoder for OSDPV2 management tool + configuration card. Only one DESfire EV 1 conf card required. Configure in offline / online mode.

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. [www.idesco.fi/eco20](http://www.idesco.fi/eco20)

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