

# 8 CD 2.0 AES



**BASIC**

110 x 43 x 24 mm



**SLIM**

141 x 43 x 19 mm



**SLIM PIN**

141 x 43 x 19 mm



## Product features and benefits

- The most secure access control reader in the market
- Ultimately secure data encryption between the reader and the host system
- Convenient RS-485 interface enables long cabling
- Long life span and low power consumption



## Electrical specifications

Operating frequency	13,56 MHz
Voltage	+10 .... +30 VDC
Power consumption	Basic, Slim: max. 1,4 W in Idesco default configuration Slim Pin: max. 1.7W in Idesco default configuration
Keypad type	Capacitive keypad with LED backlights

## Supported 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)
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## Mechanical specifications

Housing material	Plastic
Installation method	With screws
Cable	LIYY
Cable length	3 m
Connectors	Yes (pigtail as a default)
Colour	Black
Customized versions	Yes, with sticker or lens or customer specific programming
Protection class	Units with pigtail cable; IP67 Units with connector; IP54
IK-rating	Basic: IK-10; Slim, Slim Pin: IK-09
Flammability class	Basic, Slim, Slim PIn housings: Horizontal specimen UL94 HB, vertical specimen UL94 V-2

## Environmental specifications

Operational temperature range	-40 C° - +55 C°
Storage temperature range	-40 C° - +55 C°

## Idesco Oy

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## Interface specifications

Available interfaces	Idesco RS-485 with AES encryption
Inputs / Outputs	2 FET outputs (for tamper control and general), max 500 mA, 1 input for an exit button

## Standards and regulations

EMC	Meets CE requirements
Field strength	According to EN300330
Encryption	Air interface: AES or 3DES, from reader to host: AES

## Other features

LEDs and LED control	Three-colour LED. LED control by protocol
Buzzer control	Buzzer control by protocol.
Tamper	Configurable optical tamper
Configuration	Configuration by DESFire EV1/EV2/EV configuration card

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