

LECTUS secure readers (OSDP)

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Invented for life



- ▶ 13.56 MHz proximity readers for connecting to access controllers with OSDP interfaces
- ▶ Suitable for indoor and outdoor use
- ▶ Supports multiple technologies (standard iCLASS, MIFARE®, and MIFARE DESFire® EV1)
- ▶ Interoperable with a growing range of technology environments and form factors

System overview

Ideal for new and existing installations, LECTUS secure readers provide customers the assurance that their existing investments can be leveraged to enhance their system as business requirements change. The technology-independent readers support standard iCLASS, MIFARE classic, and MIFARE DESFire EV1. Available with four different form factors LECTUS secure readers meet nearly all installation requirements for indoor and outdoor use.

Installation/configuration notes

The maximum cable length for OSDP / RS485 bus system is 1200m with twisted wire pairs. You can connect a maximum of eight readers per interface. Address the reader using the optional configuration cards. In order to prevent problems by reading cards with contact-free card readers, follow the instructions when planning and installing contact-free readers. Avoid installing contact-less card readers behind metallic (i.e. conductive) cases or on metallic surfaces. The gaps to be left are given in the following list:

- Distance between reader and metal surfaces attached to the side: min. 30 mm
- Distance between reader and 230 V~ voltage cables and power packs: min. 500 mm
- Distance between reader and HF-cables: min. 500 mm

Technical specifications

Operating Voltage Range	5 to 16 VDC
Current Draw	60 to 220 mA (peak), 16V (see manual for details)
Environmental rating	IP 55 (IP 65 with optional gasket)
Operating temperature	- 25 °C to 65 °C (-15 °F to 150 °F)
Humidity	5 to 95%, no condensation water
Housing Material	Polycarbonate (UL 94)
Color	Black
Display	Multicolored RGB LED bar
Panel connection	Terminal strip
Card compatibility	iCLASS Bosch coded MIFARE classic Bosch coded MIFARE DESFire EV1 When using configuration card: MIFARE classic serial number MIFARE DESFire EV1 serial number (32 bit standard, 56 bit optional)
Operating frequency	13.56 MHz

Typical reading distance ¹⁾ LECTUS secure 1000 RO	9 cm (iCLASS card) 6 cm (MIFARE DESFire EV1 card) 6 cm (MIFARE Classic card) 4 cm (iCLASS key fob) 3 cm (MIFARE Classic key fob)
Typical reading distance ¹⁾ LECTUS secure 2000 RO	9 cm (iCLASS card) 6 cm (MIFARE DESFire EV1 card) 6 cm (MIFARE Classic card) 4 cm (iCLASS key fob) 3 cm (MIFARE Classic key fob)
Typical reading distance ¹⁾ LECTUS secure 4000 RO	13 cm (iCLASS card) 8 cm (MIFARE DESFire EV1 card) 1 cm (MIFARE Classic card) 7 cm (iCLASS key fob) 5 cm (MIFARE Classic key fob)
Typical reading distance ¹⁾ LECTUS secure 5000 RO	14 cm (iCLASS card) 5 cm (MIFARE DESFire EV1 card) 13 cm (MIFARE Classic card) 8 cm (iCLASS key fob) 5 cm (MIFARE Classic key fob)

¹⁾Typical read range achieved in air. Different types of metal will cause some degradation (typically up to 20%). Use spacers to space product off metal and improve read range if required.

Dimension (W x H x D)	See ordering information
Weight (g)	See ordering information

Ordering information

LECTUS secure 1000 RO

iCLASS/MIFARE reader, mini-mullion size, suited for mullion-mounted door installations, U.S. single-gang J-box or any flat surface, terminal strip, 4.8 x 10.3 x 2.3 cm, 84 g net

Order number **ARD-SER10-RO**

LECTUS secure 2000 RO

iCLASS/MIFARE reader, mini-mullion size, suited for mullion-mounted door installations, U.S. single-gang J-box or any flat surface, terminal strip, 4.8 x 15.3 x 2.3 cm, 120 g net

Order number **ARD-SER15-RO**

LECTUS secure 4000 RO

iCLASS/MIFARE reader, wall switch size, designed to mount and cover single gang switch boxes primarily used in the Americas, includes a slotted mounting plate for European and Asian spacing, terminal strip, 8.4 x 12.2 x 2.4 cm, 215 g net

Order number **ARD-SER40-RO**

LECTUS secure 5000 RO

iCLASS/MIFARE reader, wall switch size, designed to mount and cover single gang switch boxes primarily used in the Americas, slotted mounting plate for European and Asian spacing, terminal strip, keypad (4x3), 8.5 x 12.2 x 2.8 cm, 226 g net

Order number **ARD-SERK40-RO**

LECTUS secure address config set 1

Set off eight cards for the configuration of the reader address 1 to 8.

Order number **ARA-OSDP-ACNL**

Card format config card (CSN)

Switches the code from Bosch coded reading for MIFARE classic and MIFARE DESFire EV1 to CSN reading.

Order number **ARA-OSDP-CSN**

LECTUS secure 1000 Gasket for IP65

Gasket for protection class IP65, material Chloroprene Rubber, dimensions 4.625 x 10 x 0.2 cm, 10 pcs/each

Order number **ARA-SER10-IP65**

LECTUS secure 2000 Gasket for IP65

Gasket for protection class IP65, material Chloroprene Rubber, dimensions 4.625 x 15,35 x 0.2 cm, 10 pcs/each

Order number **ARA-SER15-IP65**

LECTUS secure 4000 Gasket for IP65

Gasket for protection class IP65, material Chloroprene Rubber, dimensions 8.1 x 11.9 x 0.2 cm, 10 pcs/each

Order number **ARA-SER40-IP65**

LECTUS secure 5000 Gasket for IP65

Gasket for protection class IP65, material Chloroprene Rubber, dimensions 8.1 x 11.9 x 0.2 cm, 10 pcs/each

Order number **ARA-SERK40-IP65**

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