BOSCH

LECTUS select

- ▶ Compact design
- ▶ Easy installation
- ▶ Sabotage monitoring
- ▶ Numbers and symbols backlighted
- ▶ Three status LEDs

The LECTUS select line consists of two different reader variants, one with keypad and one without keypad. The series is available in black and in white color.

All reader variants, can be flush-mounted or, when using the optional mounting frame, surface-mounted. To detect unauthorized disassembly, the readers have sabotage detection.

The readers do support MIFARE DESFire EV1 and EV2 as well as LEGIC Advant.

The reader series has an RS485 interface and offers two protocol variants, OSDP including OSDPv2 secure channel or phg_crypt.

When operating the reader in RS485/OSDP mode, up to eight readers can be connected to a respective controller, e.g. AMC2-4R4. The reader address can be set via four DIP-switches.

The phg_crypt protocol is a proprietary secure protocol which can be used in third-party installations such as "Matrix", offered by Bosch Energy and Building Solutions. This protocol is not supported by the current AMC2 controllers.

Three LED indicators and a beeper give clear feedback to the user during operation.

The reader is IP54 rated.

Regulatory information

Region	Regulatory compliance/quality marks
Europe	CE
USA	FCC
Global	RoHS

Installation/configuration notes

Compatibility

The readers that support OSDP can be used with BIS (Building Integration System) and AMS (Access Management System) software and support by default the following technologies:

- LEGIC advant
- MIFARE DESFire EV1 and EV2
- MIFARE DESFire EV2

The readers with phg_crypt can be configured with, e.g. MATRIX access control system.

Technical specifications

Mechanical

Dimensions (H x W x D) (mm)	88 mm x 101 mm x 35 mm (uninstalled)
	88 x 101 x 21 mm (installed)
Dimensions (H x W x D) (in)	3.50 in x 4 in x 1.40 in (uninstalled)
	3,5 x 4,0 x 0,83 in (installed)
Color	White/silver | Black/silver
Material	Plastic
Mounting type	Flush-mounted
Weight (g)	137 g | 139 g
Weight (lb)	0,302 lb | 0,306 lb

Environmental

Usage	Indoor; Outdoor
Operating temperature (℃)	-25 ℃ – 60 ℃
Operating temperature (℉)	-13 ℉ – 140 ℉
IP rating	IP54

Electrical

Operating voltage (VDC)	8 VDC – 30 VDC
Power consumption (VA)	3.50 VA maximum (2,5 VA typically)

Operation

Audible indication	Yes
Credential type	Cards/keyfobs/tokens; PIN
Keypad	Yes | No
Optical indication	Yes
Software compatibility	Building Integration System(BIS) Access Management System (AMS) Third-party software (e.g. MATRIX access system, for readers with phg_crypt)
Wireless transmission frequency	13.56 MHz
Reading technology	LEGIC prime* LEGIC advant MIFARE Classic* MIFARE DESFire EV1 & EV2 ISO14443A (CSN / UID)* ISO15693 (CSN / UID)*
Reading distance	• LEGIC prime: card approx. 65 mm maximum, key fob 40 mm maximum • LEGIC advant: card approx. 25 mm maximum, key fob 20 mm maximum • MIFARE classic : card approx. 40 mm maximum, key fob 30 mm maximum • MIFARE DESFire EV1: card approx. 10 mm maximum, key fob 10 mm maximum

Connectivity

Reader interfaces	RS485
Protocols / standards	OSDP; Phg_crypt

* It is not set by default. Requires specific configuration with OSDP protocol. Ask for more information in advance.

Ordering information

ARD-SELECT-BP Reader, phg_crypt, black
phg_crypt reader, for MIFARE classic, MIFARE EV1 & 2, Legic Prime and Advant, black, designed for flush-mount and IP54 rated for indoor and outdoor use.
Order number **ARD-SELECT-BP | F.01U.389.837**

ARD-SELECT-BPK Reader, phg_crypt, keypad, black
phg_crypt reader, with keypad, for MIFARE classic, MIFARE EV1 & 2, Legic Prime and Advant, black, designed for flush-mount and IP54 rated for indoor and outdoor use.
Order number **ARD-SELECT-BPK | F.01U.389.841**

ARD-SELECT-BO Reader, OSDP, black
OSDP reader for MIFARE EV1 & 2 and Legic Advant, black, designed for flush-mount and IP54 rated for indoor and outdoor use.
Order number **ARD-SELECT-BO | F.01U.389.839**

ARD-SELECT-BOK Reader, OSDP, keypad, black
OSDP reader, with keypad, for MIFARE EV1 & 2 and Legic Advant, black, designed for flush-mount and IP54 rated for indoor and outdoor use.
Order number **ARD-SELECT-BOK | F.01U.389.843**

ARD-SELECT-WP Reader, phg_crypt, white
phg_crypt reader, for MIFARE classic, MIFARE EV1 & 2, Legic Prime and Advant, white, designed for flush-mount and IP54 rated for indoor and outdoor use.
Order number **ARD-SELECT-WP | F.01U.389.838**

ARD-SELECT-WO Reader, OSDP, white
OSDP reader, for MIFARE EV1 & 2 and Legic Advant, white, designed for flush-mount and IP54 rated for indoor and outdoor use.
Order number **ARD-SELECT-WO | F.01U.389.840**

ARD-SELECT-WPK Reader, phg_crypt, keypad, white
phg_crypt reader, with keypad, for MIFARE classic, MIFARE EV1 & 2, Legic Prime and Advant, white, designed for flush-mount and IP54 rated for indoor and outdoor use.
Order number **ARD-SELECT-WPK | F.01U.389.842**

ARD-SELECT-WOK Reader, OSDP, keypad, white
OSDP reader, with keypad, for MIFARE EV1 & 2 and Legic Advant, white, designed for flush-mount and IP54 rated for indoor and outdoor use.
Order number **ARD-SELECT-WOK | F.01U.389.844**

ARD-SELECT-BOM Reader, OSDP, BLE, black
OSDP reader for MIFARE classic, MIFARE EV1 and EV2, LEGIC prime and advant, in black, designed for surface and flush mountings, IP54 rated, with BLE module.
Order number **ARD-SELECT-BOM | F.01U.389.847**

ARD-SELECT-WOM Reader, OSDP, BLE, white
OSDP reader for MIFARE classic, MIFARE EV1 and EV2,
LEGIC prime and advant, in white, designed for surface
and flush mountings, IP54 rated, with BLE module.
Order number **ARD-SELECT-WOM | F.01U.389.848**

ARD-SELECT-BOKM Reader, OSDP, keypad, BLE, black
OSDP reader for MIFARE classic, MIFARE EV1 and EV2,
LEGIC prime and advant, in black, with keypad,
designed for surface and flush mountings, IP54 rated,
with BLE module.
Order number **ARD-SELECT-BOKM | F.01U.389.851**

ARD-SELECT-WOKM Reader, OSDP, keypad, BLE, white
OSDP reader for MIFARE classic, MIFARE EV1 and EV2,
LEGIC prime and advant, in white, with keypad,
designed for surface and flush mountings, IP54 rated,
with BLE module.
Order number **ARD-SELECT-WOKM | F.01U.389.852**

Accessories

ARA-SELECT-SWA Wallmount Box Lectus Select, silver
Wallmount box for LECTUS select Reader Series, silver,
fits to all readers with black front surface.
Order number **ARA-SELECT-SWA | F.01U.389.869**

ARA-SELECT-WWA Wallmount Box Lectus Select, white
Wallmount box for LECTUS select Reader Series, white
Order number **ARA-SELECT-WWA | F.01U.389.868**

Services

EWE-RDRPRM-IW 12 mths wrty ext Premium reader
12 months warranty extension
Order number **EWE-RDRPRM-IW | F.01U.364.829**