

ARD-SIGR20-SEO Card reader, R20, SEOS

LECTUS secure 1000



The ARD-SIGR20-SEO belongs to the new LECTUS secure reader family.

The LECTUS secure line consists of four different reader variants, one as mullion, with and without keypad, and as a compact reader, with and without keypad.

Different form factors allow adaptation in different installation environments.

The readers do support Seos card technology.

To provide a wide range of solutions, the readers are fully compatible with the Bosch Access Management portfolio, including the Management Software Systems (BIS/ACE and AMS), as well as the Access Modular Controller (AMC2) and Seos credential portfolio.

This reader is suitable for the US Gang Box, and it complies with the European standard as well.

The LECTUS secure reader is very simple to use, and provides clear feedback to the user during operations due to LED and beeper.

The readers are suited for indoor and outdoor environments.

Regulatory information

Region	Regulatory compliance/quality marks	
USA	FCC; UL294	
Region	Regulatory compliance/quality marks	
Europe	CE	DoC LECTUS secure

- ▶ 13.56 MHz proximity compatible with access controllers
- ▶ IP65 rating allows indoor and outdoor installations
- ▶ Easy and quick mounting for cost saving installation
- ▶ Supports Seos card technology
- ▶ Quick reading response for high performance level

Installation/configuration notes

The LECTUS secure readers can be used with BIS (Building Integration System) and AMS (Access Management System) software, and with the controller (AMC2).

The terminal interface of the readers is easy to install.

Parts included

Quantity	Component
1	Safety and Security information
1	OSS information
1	Quick installation guide
8	Screws

Technical specifications

Connectivity

Controller interface	Wiegand*; RS485**
Reader interfaces	Wiegand*; RS485**
Wiring connection	Terminal Strip

Electrical

Current consumption (mA)	45 mA – 70 mA
Operating voltage (VDC)	12 VDC

Environmental

Usage	Indoor; Outdoor
IP rating	IP65
Operating temperature (°C)	-35 °C – 66 °C
Operating temperature (°F)	-31 °F – 150 °F
Storage temperature (°C)	-40 °C – 85 °C
Storage temperature (°F)	-40 °F – 185 °F
Storage relative humidity (%)	0% – 95%

Mechanical

Color	Black
Dimensions (H x W x D) (mm)	121.50 mm x 45 mm x 21.5 mm
Dimensions (H x W x D) (in)	4.79 in x 1.78 in x 0.85 in
Material	Polycarbonate
Mounting type	Surface-mounted; Mullion-mounted
Weight (g)	75 g
Weight (oz)	2.65 oz

Network

Wireless technology standard	BLUETOOTH®**; NFC
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Operation

Keypad	No
LED indication	Multi-color
Credential type	Cards/keyfobs/tokens
Wireless transmission frequency	13.56 MHz
Reading format	Seos
Read range (cm)	Seos ISO card: 3 cm Seos key fob: 4 cm
Read range (in)	Seos ISO card: 1.2 in Seos key fob: 1.6 in

*Wiegand output is a popular type of communication interface for door access system but it lacks IT security protection. The data transfer is not secure because the interface is not encrypted. Bosch recommends to use the OSDP protocol. Suitable readers can be found in the online catalogue.

*Data protection note: The card reader sends personal data (card number) over the unsecure interface to the access management system. Check in advance if this is compliant to your data protection regulations.

**Optionally, the OSDP protocol and BLE can be enabled by using the HID Reader Manager app. To enable OSDP, the reader must be used together with an AMC2 controller with RS485 interface. If the reader is configured using the HID Reader Manager app or any other third-party app, you will be subject to the terms of service and privacy policy of HID or the respective third-party provider. Bosch is not responsible for any data processing or other actions carried out by third-party applications.

Ordering information**ARD-SIGR20-SEO Card reader, R20, SEOS**

Wiegand and OSDP reader for Seos, black, mullion reader, for indoor and outdoor use.

Order number **ARD-SIGR20-SEO | F.01U.405.134**

Accessories**ARA-R20-BWA Wallmount box, LECTUS secure, R20, bl**

Wallmount box for LECTUS secure reader series in black, R20 with and without keypad.

Order number **ARA-R20-BWA | F.01U.405.143**



<https://www.boschsecurity.com>