

ARD-SIGR20K-ICL Card reader w/ kp, R20, iCLASS, Wiegand LECTUS secure 3000



The ARD-SIGR20K-ICL belongs to the new LECTUS secure reader (Wiegand) family.

The LECTUS secure (Wiegand) 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.

To offer higher security due to possible multi-factor authentication, the keypad can be used.

The readers do support iCLASS and 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 the iCLASS 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

- ▶ 13.56 MHz proximity compatible with access controllers with Wiegand interfaces
- ▶ IP65 rating allows indoor and outdoor installations
- ▶ Easy and quick mounting for cost saving installation
- ▶ Supports Seos and iCLASS 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 Wiegand controller (AMC2).

The terminal interface of the Wiegand 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 *
Reader interfaces	Wiegand *
Wiring connection	Terminal Strip

Electrical

Current consumption (mA)	45 mA – 75 mA
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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)	90 g
Weight (oz)	3.17 oz
Operation	
Keypad	Yes
LED indication	Multi-color
Credential type	Cards/keyfobs/tokens; PIN
Wireless transmission frequency	13.56 MHz
Reading format	iCLASS; iCLASS SE; Seos
Read range (cm)	iCLASS ISO card: 9.5 cm iCLASS key fob: 5 cm Seos ISO card: 2.5 cm Seos key fob: 1.5 cm

Read range (in)	iCLASS ISO card: 3.7 in iCLASS key fob: 2 in Seos ISO card: 1 in Seos key fob: 0.6 in
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*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.

Ordering information

ARD-SIGR20K-ICL Card reader w/ kp, R20, iCLASS, Wiegand

Wiegand, for iCLASS/Seos, black, mullion reader with keypad, for indoor and outdoor use.

Order number **ARD-SIGR20K-ICL | F.01U.405.136**

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**

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