

ARD-SIGR20-ICL Card reader, R20, iCLASS, Wiegand LECTUS secure 1000



The ARD-SIGR20-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.

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 – 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) | 121.5 mm x 45 mm x 19.5 mm |
| Dimensions (H x W x D) (in) | 4.78 in x 1.77 in x 0.77 in |
| Material | Polycarbonate |
| Mounting type | Surface-mounted; Mullion-mounted |
| Weight (g) | 75 g |
| Weight (oz) | 2.65 oz |
| Operation | |
| Keypad | No |
| LED indication | Multi-color |
| Credential type | Cards/keyfobs/tokens |
| Wireless transmission frequency | 13.56 MHz |
| Reading format | iCLASS; iCLASS SE; Seos |
| Read range (cm) | iCLASS ISO card: 11 cm iCLASS key fob: 6 cm Seos ISO card: 4 cm Seos key fob: 3 cm |

| | |
|-----------------|--|
| Read range (in) | iCLASS ISO card: 4.3 in iCLASS key fob: 2.4 in Seos ISO card: 1.6 in Seos key fob: 1.2 in |
|-----------------|--|

*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.

*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.

Ordering information

ARD-SIGR20-ICL Card reader, R20, iCLASS, Wiegand
Wiegand, for iCLASS/Seos, black, mullion reader, for indoor and outdoor use.

Order number **ARD-SIGR20-ICL | F.01U.405.135**

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**

Represented by:

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5600 JB Eindhoven, The Netherlands
www.boschsecurity.com/xc/en/contact/
www.boschsecurity.com

Germany:
Bosch Sicherheitssysteme GmbH
Robert-Bosch-Platz 1
D-70839 Gerlingen
www.boschsecurity.com

North America:
Bosch Security Systems, LLC
130 Perinton Parkway
Fairport, New York, 14450, USA
www.boschsecurity.com

Asia-Pacific:
Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
www.boschsecurity.com/xc/en/contact/
www.boschsecurity.com