Bosch Access Control Systems

Product overview

September 2026

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Bosch Access Control Systems

Access control is one of the most important subsystems in a security installation

Why is access control so important?

- Increasing demand for security
- Growing need to restrict access to buildings and areas
- Mechanical access systems are prone to misuse
- More flexible working time models

Access in a company

Protect secure areas

Unlock doors in case of an emergency

- Financial Institutions
- Healthcare
- Manufacturing
- Hotels
- Office buildings
- Energy and utilities
- IT Centers
- Education
- Transportation

Reliable, versatile, scalable
Access control is a key pillar of today's security. The growing need to control access to and within buildings and areas, more flexible working time models and the limitations of mechanical locks make a modern and reliable access control system indispensable. We offer complete, reliable and scalable access control solutions for any medium to large sized application.

Key advantages of access control
Investing in the right technology is central to the protection of your employees, site visitors and ultimately the success of your company. While you naturally want your business premises to be as open and welcoming as possible you need to ensure maximum protection against unauthorized intruders.

Comprehensive portfolio for every application
Bosch access control solutions offer you a flexible system for any project.

Our portfolio includes all access control components from different software options and controllers to a wide range of readers and credentials to comply with your individual needs. State of the art security features and encryption functionalities make sure your data is protected and privacy regulations are fulfilled. Thanks to the scalability of the components, the system grows according to your security needs. Our support and training team will be happy to consult you to create the system that fits your requirements.

Our access control software options
Access Management System (AMS) is an ideal access control software solution for medium to large projects such as offices, retail stores, industrial sites, airports or governmental buildings. For more complex projects our access control software can also work with PSIM software like BIS, Advancis or other third-party solutions.

Proven expertise in the security industry
- Vertical solutions expert
- Nearly 50 years of experience in access control
- Worldwide support near you

Software

Access Management System (AMS)
for medium to large sized projects

- Easy-to-use, scalable and resilient software with intuitive, modern graphical user interface (GUI)
- Integration of third-party functionalities such as time and attendance and other HR systems via API
- Integration with IQSIGHT BVMS (10.1 or higher) and other video management systems
- Support of Open Supervised Device Protocol (OSDPv2 secure channel) for bi-directional encrypted communication between reader and controller
- Encrypted database and communication at all stages
- Suitable for office and governmental buildings, educational institutions, hospitals, etc.
- Administrates up to:
  - 200 divisions
  - 10,000 doors
  - 400,000 cardholders
  - 200 clients
- Browser-based Visitor Management offering all the benefits for enhancing the visiting process
- Easy to add Mobile Access solution to truely enhance your acces system to the next level when it comes to security and convenience

Simplicity
Efficient and user-friendly tools to configure the system and an intuitive, modern GUI for easy and convenient operation.

Maximum resilience
An additional third layer of security – Master Access Controller – between the server and the controllers ensures controller communication, even if the server fails.

Future-proof investment
Investing in AMS is a future proof decision. The system is highly scalable, due to the various expansion packs. Our software is also open for integration with third-party systems, available now or in the future.

Perfect solution for office buildings, hospitals and medical centers, schools, hotels and warehouses.

Building Integration System (BIS)
for large, distributed enterprise systems

On top of of the features of AMS (see left) the integration into Building Integration System (BIS) offers additional features such as:

- Resilient and highly scalable software
- Graphical user interface (GUI) offering location maps, alarm documentation and action plans (i.e. standard operation procedures)
- Integration of Bosch video, fire, intrusion and public address systems via the Building Integration System (BIS)
- Integration of third-party products such as time and attendance and building automation via open protocols (OPC) and API
- Suitable for public transport, critical infrastructure, industry, etc.
- Administrates up to:
  - 200 divisions
  - 10,000 doors
  - 400,000 cardholders
  - 120 concurrent workplace clients
  - 200,000 detectors

Flexibility and integration
Modular system to combine different security, safety and building management functions from Bosch and third parties to create exactly the solution you need.

Maximum resilience
An additional third layer of security – Master Access Controller – between the server and the controllers ensures controller communication, even if the server fails.

Ideal for banks, factories, public transportation applications, power plants, data centers and stadiums.

Software licenses

	AMS-Lite	SMA (for Lite)	AMS-Enterprise	SMA (for AMS-Enterprise)
Basic licences				
License Lite Base	AMS-BLIT	AMS-SMA-LITE	-	-
License Enterprise Base	-	-	AMS-BBIS	AMS-SMA-BBIS
Features				
License Visitor Management Lite	AMS-FVISLIT	AMS-SMA-VISLIT	-	-
License Visitor Management Enterprise	-	-	AMS-FVISBIS	AMS-SMA-FVISBIS
License Report Management	-	-	AMS-FREPBIS	AMS-SMA-FREPBIS
License Single Sign On	-	-	AMS-FSSOBIS	AMS-SMA-FSSOBIS
Expansions				
License 1 MAC expansion	AMS-XCLILIT	AMS-SMA-1MAC	AMS-XMACBIS	AMS-SMA-XMACBIS
License 10 MAC expansion	-	-	AMS-X10MACBIS	AMS-SMA-X10MACBIS
License 1 Operator Client expansion	AMS-XCLILIT	AMS-SMA-1CLI	AMS-XCLIBIS	AMS-SMA-XCLIBIS
License 5 Operator Client expansion	-	AMS-SMA-5CLI	AMS-X5CLIBIS	AMS-SMA-X5CLIBIS
License 10 Operator Client expansion	-	-	AMS-X10CLIBIS	AMS-SMA-X10CLIBIS
License 1 Division expansion	-	AMS-SMA-1DIV	AMS-XDIVBIS	AMS-SMA-XDIVBIS
License 10 Division expansion	-	-	AMS-X10DIVBIS	AMS-SMA-X10DIVBIS
License 32 Door expansion	AMS-X32DORLIT	AMS-SMA-32DRS	AMS-X32DORBIS	AMS-SMA-X32DORBIS
License 128 Door expansion	-	AMS-SMA-128DRS	AMS-X128DORBIS	AMS-SMA-X128DORBIS
License 512 Door expansion	-	AMS-SMA-512DRS	AMS-X512DORBIS	AMS-SMA-X512DORBIS
License 100 ID Card expansion	AMS-X100CRDLIT	AMS-SMA-100CRD	AMS-X100CRDBIS	AMS-SMA-X100CRDBIS
License 1000 ID Card expansion	AMS-X1KCRDLIT	AMS-SMA-1KCRD	AMS-X1KCRDBIS	AMS-SMA-X1KCRDBIS
License 10000 ID Card expansion	-	AMS-SMA-10KCRD	AMS-X10KCRDBIS	AMS-SMA-X10KCRDBIS
License 50000 ID Card expansion	-	AMS-SMA-50KCRD	AMS-X50KCRDBIS	AMS-SMA-X50KCRDBIS
Mobile Access				
License Mobile Access	AMS-FMOBLIT	AMS-SMA-FMOB	AMS-FMOBBIS	AMS-SMA-FMOBBIS
License 50 Mobile Credentials	AMS-X50MOBLIT	AMS-SMA-X50MOB	AMS-X50MOBIS	AMS-SMA-X50MOBIS
License 100 Mobile Credentials	AMS-X100MOBLIT	AMS-SMA-X100MOB	AMS-X100MOBBIS	AMS-SMA-X100MOBBIS
License 1000 Mobile Credentials	AMS-X1KMOBLIT	AMS-SMA-X1KMOB	AMS-X1KMOBBIS	AMS-SMA-X1KMOBBIS
License 5000 Mobile Credentials	AMS-X5KMOBLIT	AMS-SMA-X5KMOB	AMS-X5KMOBBIS	AMS-SMA-X5KMOBBIS
Integrations				
License 1 Key Management expansion	-	AMS-SMA-1KEY	AMS-XKEYBIS	AMS-SMA-XKEYBIS
License 25 Pegasys Door expansion	-	AMS-SMA-25OFF	AMS-X25OFFBIS	AMS-SMA-X25OFFBIS
License 25 OSO Offline Doors expansion	-	AMS-SMA-25OSO	AMS-X25OSOBIS	AMS-SMA-X25OSOBIS
License 25 SmartIntego Doors expansion	-	AMS-SMA-25OND	AMS-X25SIOBIS	AMS-SMA-X25SIOBIS
License 1 G Series expansion	AMS-XPANLIT	AMS-SMA-1PAN	AMS-XPANBIS	AMS-SMA-XPANBIS
License 10 G Series expansion	-	AMS-SMA-10PAN	AMS-X10PANBIS	AMS-SMA-X10PANBIS

Access control functionalities at a glance

Basic access control functionalities

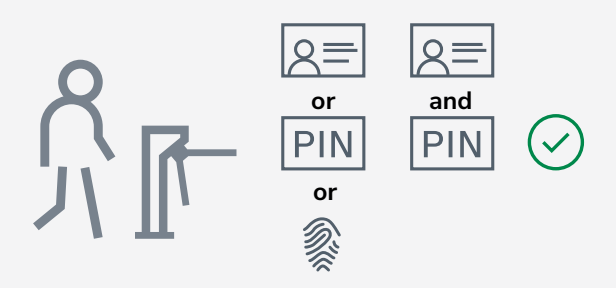
Single authentication (identification)

- Various identification modes are possible: card, mobile credential, pin code, biometric
- Admin user configures verification or identification mode for reader
- After authentication, reader sends information to controller and controller verifies with the server if the user is authorized to enter
- Access is granted or denied by the controller

Multi-factor authentication (verification)

- Two or more authentication features need to be provided by the user, e.g. card and PIN
- Access can only be granted if both features match

- **Convenience**
- **Speed**
- **High level of security**

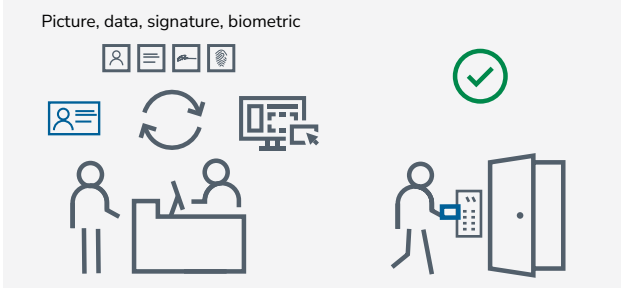


Administrative functionalities

Employee onboarding and offboarding

- One enrollment dialog to easily collect and upload all cardholder information such as data, photo, PIN codes and biometric features
- Enrollment of secured Bosch code card data from MIFARE DESFire cards supported
- Cardholders can be assigned more than one card and even threat alert cards
- For VIP cardholders, special functionalities can be configured, e.g. the right to permanently open a door or the automatic calling of an elevator when entering a building
- Web-browser based credential management allows you to manage physical and mobile credentials much more conveniently

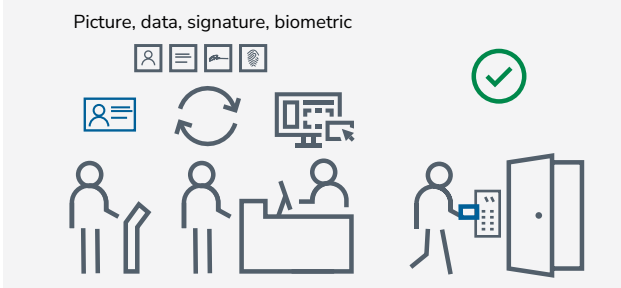
- **Efficiency**
- **Facilitation of compliance regulations**



Single Sign On (SSO)

- A user authentication process that allows a user to access multiple applications or systems with a single set of login credentials
- Simplifies the login process for users, reducing the need to remember and manage multiple sets of credentials
- Improves security by centralizing authentication and access control. This allows for better management of user access and reduces the risk of password-related security breaches
- SSO can help organizations meet compliance requirements by providing better control and visibility into user access and authentication activities

- **Efficiency**
- **Improved user experience**

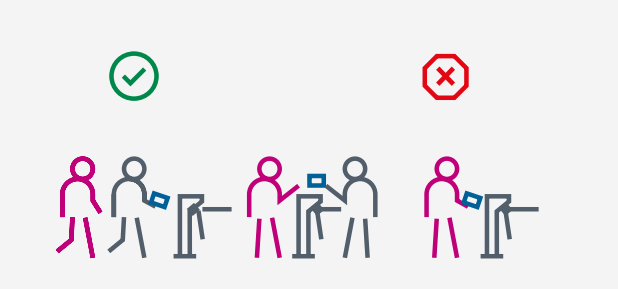


Advanced access control functionalities

Anti-passback

- User 1 scans his credential and enters an access-controlled area
- User 2 does not have authorization to enter the premise
- User 1 hands his credential to user 2 so he can enter the access-controlled area as well
- Anti-passback ensures that re-entry is only possible if the cardholder had checked out before or a defined time period is exceeded
- User 2 is denied access

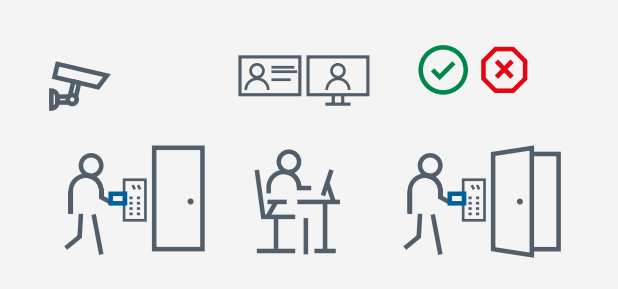
- **High level of security**
- **Prevention of misuse of cards**



Division management

- Up to 400 divisions possible
- Multiple companies can share one system in one building
- Only information from own company as well as shared areas are shown
- Building owners buy only one access control system and implement individual settings to each of their renters
- Divisions can be adjusted and enhanced at any time

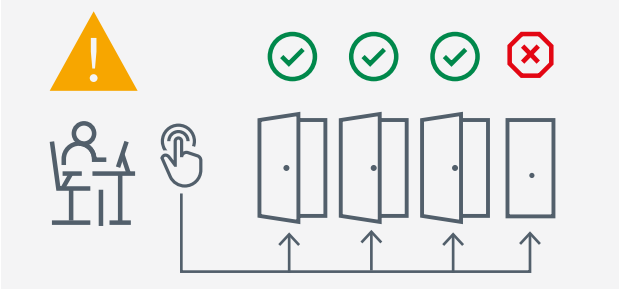
- **High level of security**
- **Prevention of misuse of credentials**



Threat level management

- High or low threat situation occurs
- Behavior of all defined doors changes with one click at the operator workstation, by pushing an emergency button or by presenting a specially configured “emergency” credential to a reader
- Safety measures are initiated within seconds by the security operator, a cardholder with an emergency credential or by anyone pushing the emergency button
- Doors can be preconfigured to behave in different modes: e.g. lockdown or permanent open mode
- Possible high threat levels: attack, fire
- Possible low threat levels: sports event, family day in a company, parents’ evening in a school

- **High level of safety on site**
- **Fast reaction in critical situations**

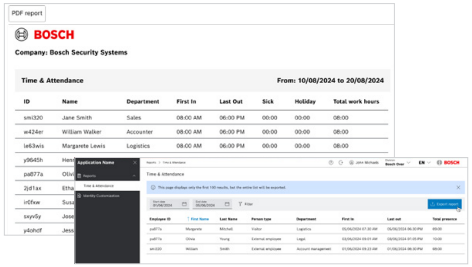


Credentials tools

Access Management System (AMS) offers several web-based tools which can be used to easily and efficiently manage visitor and employee data as well as cards and mobile credentials.

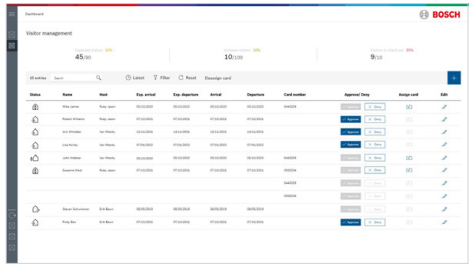
Report Management

- User friendly dashboard to easily create and share reports
- Flexibility in analyzing and sharing reports
- Efficient data interpretation and smoother communication of insights



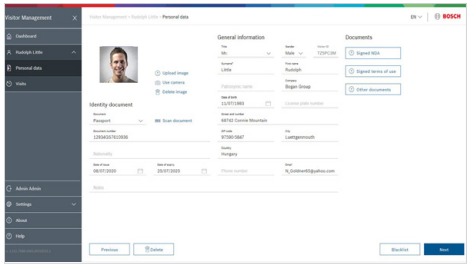
Credential Management

- User-friendly dashboard to provide overview of employee data
- Quicker credential handling via intuitive and simple user interface
- Synchronization with access management database



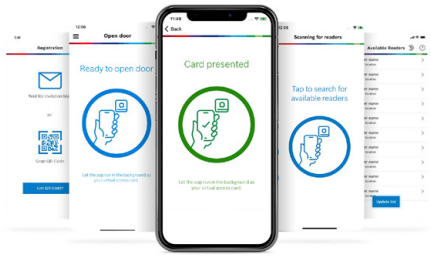
Visitor Management

- User-friendly dashboard to provide overview of appointments
- Quicker visitor check-ins with web-based pre-registration
- Reduced wait times with visitor self-registration



Mobile Access

- Easy to use, comfortable and innovative solution
- Advanced security with state-of-the-art encryption
- Data privacy guaranteed, biometric data on user's smartphone



Bosch Mobile Access

The smart addition to your access control solution

Bosch Mobile Access can be fully integrated into your current Bosch access control system, enhancing its capabilities and providing added benefits. With its compatibility and ease of integration, Mobile Access offers a smooth transition to a modernized access control setup. Bosch Mobile Access works together with our premium access control readers, equipped with Bluetooth Low Energy (BLE), or you can add our special module LECTUS blue to any suitable Wiegand reader to also enable Mobile Access. A dedicated installation app, supporting both iOS and Android, is used to set up the mobile access control system.

Easy to use, comfortable and innovative solution

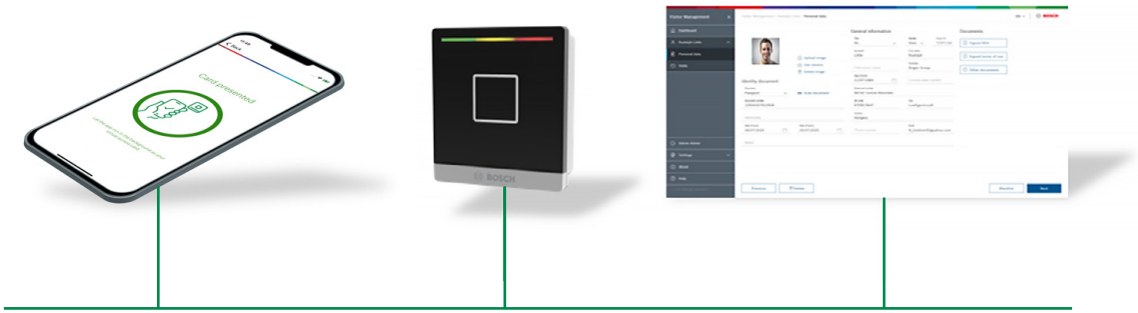
Advanced security with state-of-the-art encryption

Data privacy guaranteed, biometric data on user's smartphone

How does Bosch Mobile Access work?

Bosch Mobile Access facilitates the use of the smartphone as a digital access medium to replace the classic access card or to be used as an alternative form of identification.

- You can use your smartphone instead of a physical card to request access
- You assign all mobile access rights centrally in your access solution
- You can transmit access credentials via e-mail or QR code
- You record all access events securely and centrally in your access control solution on premise



Bosch Mobile Access application for smartphones

Premium readers with BLE* or Wiegand readers in combination with LECTUS blue

Access Management software to administrate visitors and employees

*BLE = Bluetooth Low Energy

Hardware

Access Modular Controller

- Intelligent access management controller
- Carries out independent authorization checks on access points, takes access decisions, controls closing/opening elements and registers movement events – even when offline
- Specifically designed to work with AMS
- Support of RS-485/OSDPv2 secure channel and Wiegand technology
- Offline capability
- Administrates up to:
  - 8 readers
  - 400,000 cardholders

Speed of installation

The modular concept makes system planning and stocking easy. The service display allows for quick troubleshooting and system maintenance. Thanks to the fast and reliable Ethernet host interface, cardholder updates are completed within seconds.

State of the art security

Communication between controllers and central server is secured by AES 256 bit encryption with custom keys running on DTLS protocol.

Reliability

Thanks to its offline capability and supervised battery extensions, the AMC works continuously. To avoid losing data, the event buffer memory stores up to 2 million events offline.

Future-proof investment

Modular system design ensures that the system can grow and adapt according to your needs and changes in technology.

Readers and Credentials

We offer a wide range of readers and credentials, from fully featured advanced solutions to cost-effective starter systems. Most models are available with or without keypad or as biometric versions. Wiegand and RS-485 (OSDPv2 SC) support ensures that our solutions work seamlessly with your technology.
Our support team will be happy to assist you in choosing the right system.

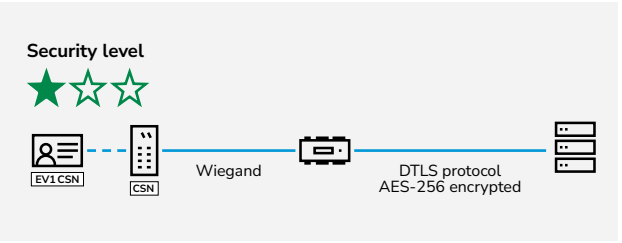
Proximity Readers

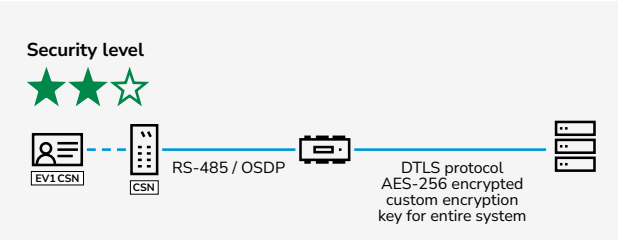
Proximity readers act as an interface between the proximity card and the access controller. The data is transferred from the card to the reader on 125 kHz frequency band.

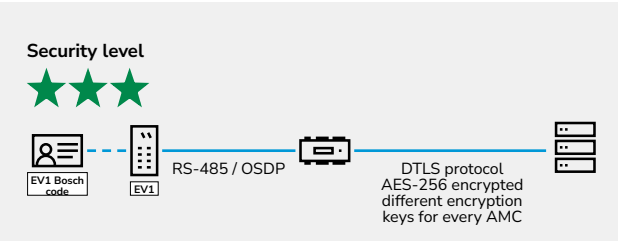
Smart Readers

Smart readers act as an interface between the smart card and the access controller. The data is transferred from the card to the reader on 13.56 MHz frequency band. We offer all customers highest security standards with their unique Bosch data elements. Our premium reader line also includes BLE modules in order to communicate with mobile phones for identification.

Readers Security Level

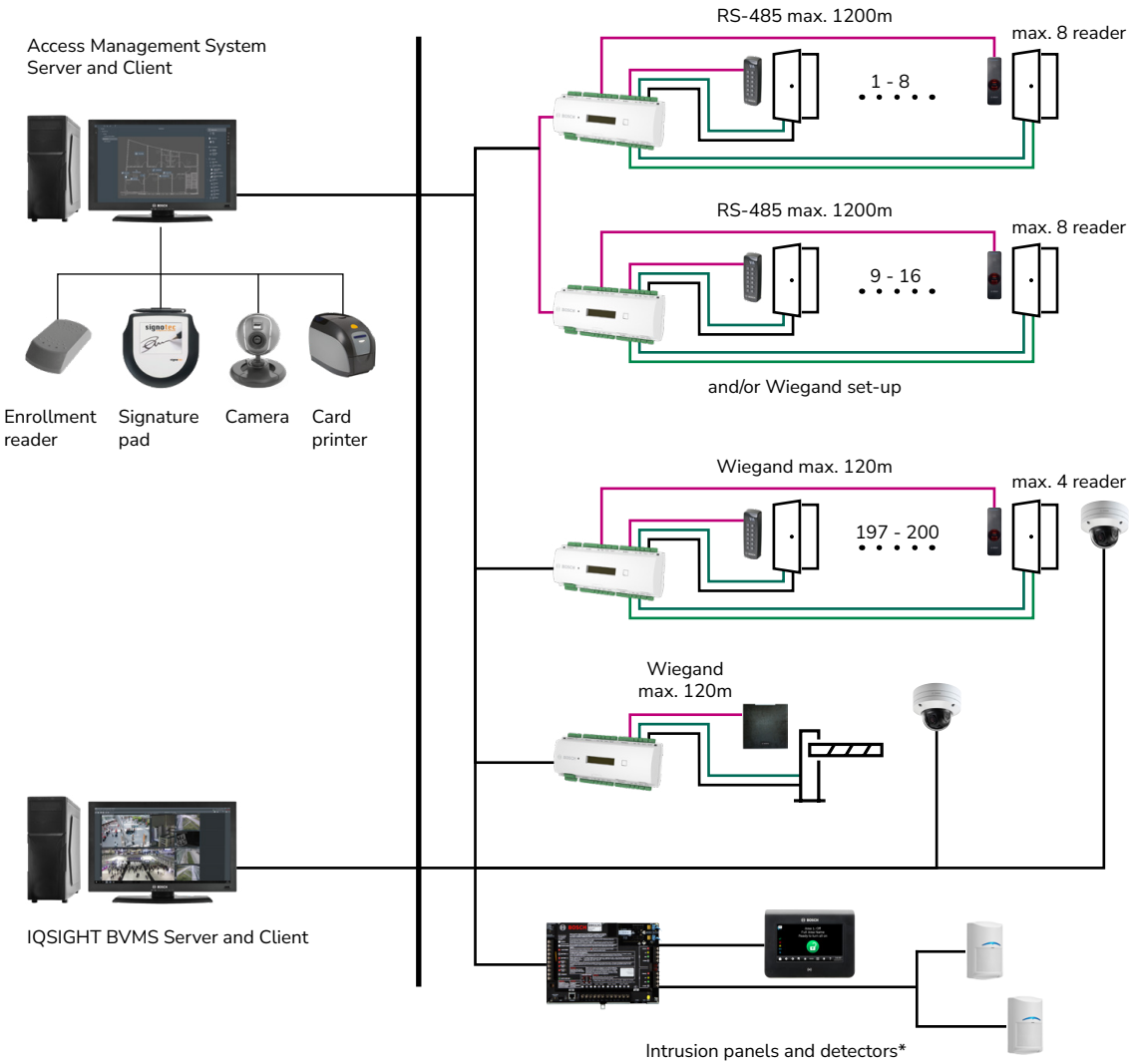






- Support of OSDP (up to OSDPv2 secure channel)
- Support of Bosch coded MIFARE credentials
- Secure communication via AES 256bit encryption
- Latest SQL data base support

Access control system design example



System description / application

System size
■ 200 doors ■ 1,200 cardholders ■ Three operators

AMS features	AMC features	Reader features
■ Max. 10,000 doors ■ Max. 400,000 cardholders ■ 5 cards per person ■ 1,024 authorizations per MAC ■ Graphical location map ■ Video integration for video verification via IQSIGHT BVMS ■ Credential management	■ 2 RS-485 buses or 4 Wiegand ports ■ 8 inputs ■ 8 relays ■ TCP/IP, RS-485 connection	■ Support of OSDPv2 secure channel ■ Outdoor resistant (up to IP67) ■ Multitechnology support (125kHz and 13.56MHz) ■ Wiegand and RS-485 support ■ Keypad or fingerprint for verification

Access components	Item type
Readers	ARD-AYBS6380, ARD-FPBEW2-H3, ARD-SIGR40-ICL, ARD-SELECT-BO
Lock	to be puchased from 3rd party
Magnetic contact	ISN-CSM35-W
Request-to-exit	Request-to-exit Detector DS160
AMS Software	1 x MAS-BBIS, 1x AMS-X128DORBIS, 2 x AMS-X1CLIBIS
Controller	APC-AMC2-4R4CF, APC-AMC2-4WCF
Power supply	APS-PSU-60
Battery	D126

Integrations	
Video Management software	IQSIGHT BVMS software
Intrusion control panel	B8512G*
Intrusion touch screen keypad	B942*
Intrusion detectors	CDL2-A15G

* Not applicable in European countries

Product catalog

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- Smart readers – MIFARE DESFire 17
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Bluetooth module for Wiegand readers **20**
- LECTUS blue 20

Enrollment reader **21**
- Lectus enroll 5000 21

Biometric readers **22**
- IDEMIA SIGMA Lite 22
- IDEMIA SIGMA Lite+ 23
- IDEMIA MorphoWave SP and IDEMIA VisionPass SP 24
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Proximity readers

Material description	Card Reader, HIDprox, mullion	Card Reader, HIDprox, mini mullion	Standalone device, HIDprox	Card Reader, EM, mini mullion
Commercial type number (CTN)	ARD-MINIPROX	ARD-PROX-PPL	ARD-ENTRYPROX	ARD-AYK12
Bosch controller compatibility	AMC2-4WCF, AMC2-2WCF, B/G-Series	AMC2-4WCF, AMC2-2WCF, B/G-Series	Standalone device	AMC2-4WCF, AMC2-2WCF, B/G-Series
Software compatibility	BIS-AMS, AMS	BIS-AMS, AMS	BIS-AMS, AMS	BIS-AMS, AMS
Interfaces	Wiegand	Wiegand	Wiegand	Wiegand
Supported protocol	Wiegand	Wiegand	Wiegand	Wiegand
Panel connection	Pigtail	Pigtail	Terminal strip	Pigtail
Mounting	Surface mount	Surface mount	Surface mount	Surface mount
Supported credential technology	HID Prox	HID Prox	HID Prox	EM4102
Bosch code	–	–	–	–
Power supply	5 – 16 VDC	5 – 16 VDC	10 – 16 VDC	5 – 16 VDC
Environment class	IP55	IP55	IP55	IP65
Maximum reading distance	13 cm	6 cm	6 cm	8 cm
Keypad	no	no	yes	no
Dimensions (H x W x D)	152 x 43 x 25,4 mm	79,6 x 44 x 17 mm	133 x 70 x 35 mm	80 x 40 x 13 mm

Smart card readers
STid readers

- 13.56 MHz proximity readers for connecting to access controllers with Wiegand interfaces or OSDP interfaces
- Easy installation
- Pre-configured and programmed
- For In- and outdoor use (IP65) with high level of resistance to vandalism (IK08 – IK10)
- Support reading CSN of ISO14443A & B
- Reader with Wiegand interface can be equiped with LECTUS blue

OSDP V2 readers support reading the Bosch Coded MIFARE DESFire data

Configuration card is needed to enable the OSDP reader to read the MIFARE DESFire EV1/EV3 Bosch Code credentials (CTN for the configuration card: ARA-OSDP-ARCBC)

	Wiegand – MIFARE (CSN)			OSDP V2 – MIFARE (CSN)		
Name	Card reader	Card reader	Card reader	Card reader	Card reader	Card reader
Material description	**Card reader, Wiegand, mullion**	**Card reader, Wiegand, standard**	**Card reader, Wiegand, standard, keypad**	**Card reader, OSDP, mullion**	**Card reader, OSDP, standard**	**Card reader, OSDP, standard, keypad**
Commercial type number (CTN)	ARC1R31B103B101A	ARCR31A103B101A	ARCR31B103B101A	ARC1W33BPH5B201A	ARCW33APH5B201A	ARCW33BPH5B201A
Bosch controller compatibility	AMC2-4WCF, AMC2-2WCF	AMC2-4WCF, AMC2-2WCF	AMC2-4WCF, AMC2-2WCF	AMC2-4R4CF	AMC2-4R4CF	AMC2-4R4CF
Software compatibility	BIS-AMS, AMS	BIS-AMS, AMS	BIS-AMS, AMS	BIS-AMS, AMS	BIS-AMS, AMS	BIS-AMS, AMS
Interfaces	Wiegand	Wiegand	Wiegand	RS-485	RS-485	RS-485
Supported protocol	Wiegand	Wiegand	Wiegand	OSDPv2 SC	OSDPv2 SC	OSDPv2 SC
Panel connection	Plug-in/Plug-out connector	Terminal	Terminal	Plug-in/Plug-out connector	Terminal	Terminal
Mounting	Surface mount	Surface mount	Surface mount	Surface mount	Surface mount	Surface mount
Supported standard	ISO 14443 A & B, ISO18092	ISO 14443 A & B, ISO18092	ISO 14443 A & B, ISO18092	ISO 14443 A & B, ISO18092	ISO 14443 A & B, ISO18092	ISO 14443 A & B, ISO18092
Supported credential technology	MIFARE Classic (CSN), MIFARE DESFire EV1, EV3 (CSN)	MIFARE Classic (CSN), MIFARE DESFire EV1, EV3 (CSN)	MIFARE Classic (CSN), MIFARE DESFire EV1, EV3 (CSN)	MIFARE Classic (CSN), MIFARE DESFire EV1, EV3 (CSN)	MIFARE Classic (CSN), MIFARE DESFire EV1, EV3 (CSN)	MIFARE Classic (CSN), MIFARE DESFire EV1, EV3 (CSN)
Bosch code	no	no	no	yes	yes	yes
Power supply	9 – 15 VDC	7 – 28 VDC	7 – 28 VDC	9 – 15 VDC	7 – 28 VDC	7 – 28 VDC
Environment class	IP65	IP65	IP65	IP65	IP65	IP65
Vandal resistance	IK10	IK10	IK08	IK10	IK10	IK08
Maximum reading distance	6 cm	8 cm	6 cm	6 cm	8 cm	6 cm
Keypad	No	No	Yes	No	No	Yes
Dimensions (H x W x D)	111.5 x 42.2 x 22 mm	106.6 x 80 x 25.7 mm	106.6 x 80 x 25.7 mm	111.5 x 42.2 x 22 mm	106.6 x 80 x 25.7 mm	106.6 x 80 x 25.7 mm

Smart card readers
Wiegand and RS-485 (OSDP V2) – MIFARE

Name	LECTUS duo 3000 C	LECTUS duo 3000 CK	LECTUS duo 3000 E	LECTUS duo 3000 EK
Material description	**Card reader with keypad, OSDP (black)**	**Card reader with keypad, MIFARE Classic**	**Card Reader, MIFARE EV1**	**Card reader with keypad, MIFARE EV1**
Commercial type number (CTN)	ARD-AYBS6260	ARD-AYBS6360	ARD-AYBS6280	ARD-AYBS6380
Bosch controller compatibility	AMC2-4WCF, AMC2-2WCF, AMC2-4R4CF	AMC2-4WCF, AMC2-2WCF, AMC2-4R4CF	AMC2-4WCF, AMC2-2WCF, AMC2-4R4CF	AMC2-4WCF, AMC2-2WCF, AMC2-4R4CF
Software compatibility	BIS-AMS, AMS	BIS-AMS, AMS	BIS-AMS, AMS	BIS-AMS, AMS
Interfaces	Wiegand, RS-485	Wiegand, RS-485	Wiegand, RS-485	Wiegand, RS-485
Supported protocol	Wiegand, OSDP v2 SC	Wiegand, OSDP v2 SC	Wiegand, OSDP v2 SC	Wiegand, OSDP v2 SC
Panel connection	Terminal strip	Terminal strip	Terminal strip	Terminal strip
Mounting	Surface mount	Surface mount	Surface mount	Surface mount
Supported standard	ISO 1443A	ISO 1443A	ISO 1443A	ISO 1443A
Supported credential technology	ISO14443A CSN , MIFARE Classic	ISO14443A CSN , MIFARE Classic	ISO14443A CSN, MIFARE DESFire EV1 & EV3, MIFARE Classic	ISO14443A CSN, MIFARE DESFire EV1 & EV3, MIFARE Classic
Bosch code	yes	yes	yes	yes
Power supply	8.5 – 16 VDC	8.5 – 16 VDC	8.5 – 16 VDC	8.5 – 16 VDC
Environment class	IP65	IP65	IP65	IP65
Vandal resistance	IK-08	IK-10	IK-08	IK-10
Maximum reading distance	3 cm	3 cm	3 cm	3 cm
Keypad	no	yes	no	yes
Dimensions (H x W x D)	137 x 44 x 27,5 mm	137 x 44 x 27,5 mm	137 x 44 x 27,5 mm	137 x 44 x 27,5 mm

- The LECTUS duo 3000 Classic line consists of a keypad and a non keypad version for MIFARE Classic and MIFARE DESFire. They come equipped with the Bosch coded MIFARE data sector and support reading the CSN of ISO14443A cards as well.
- Both reader types provide a Wiegand and RS-485/ OSDP interface, selectable easily by DIP switch.
- Three LED indicators and a beeper give clear feedback to the user during operation. The reader's logo is illuminated in the dark.

Smart card readers

Multitech smart card readers – iCLASS, MIFARE and Seos

LECTUS secure readers now support the OSDP v2 interface through configuration using the HID reader manager app.

Name	LECTUS secure 1000 IC	LECTUS secure 3000 IC	LECTUS secure 4000 IC	LECTUS secure 5000 IC	LECTUS secure 1000 SO
Material description	**Card reader, R20, iCLASS, MF**	**Card reader w/ kp, R20, iCLASS, MF**	**Card reader, R40, iCLASS, MF**	**Card reader w/ kp, R40, iCLASS, MF**	**Card reader, R20, Seos**
Commercial type number (CTN)	ARD-SIGR20-ICL	ARD-SIGR20K-ICL	ARD-SIGR40-ICL	ARD-SIGR40K-ICL	ARD-SIGR20-SEO
Bosch controller compatibility	AMC2-4WCF, AMC2-2WCF	AMC2-4WCF, AMC2-2WCF	AMC2-4WCF, AMC2-2WCF	AMC2-4WCF, AMC2-2WCF	AMC2-4WCF, AMC2-2WCF
Software compatibility	BIS-AMS	BIS-AMS	BIS-AMS	BIS-AMS	BIS-AMS
Interfaces	Wiegand, RS-485	Wiegand, RS-485	Wiegand, RS-485	Wiegand, RS-485	Wiegand, RS-485
Supported protocol	Wiegand, OSDP v2 SC	Wiegand, OSDP v2 SC	Wiegand, OSDP v2 SC	Wiegand, OSDP v2 SC	Wiegand, OSDP v2 SC
Panel connection	Terminal strip	Terminal strip	Terminal strip	Terminal strip	Terminal strip
Mounting	Surface mount	Surface mount	Surface mount	Surface mount	Surface mount
Supported standard	ISO 14443A	ISO 14443A	ISO 14443A	ISO 14443A	ISO 14443A
Supported credential technology	iCLASS, iCLASS SE: MIFARE Classic (CSN)*, MIFARE DESFire (CSN)*, Seos	iCLASS, iCLASS SE: MIFARE Classic (CSN)*, MIFARE DESFire (CSN)*, Seos	iCLASS, iCLASS SE: MIFARE Classic (CSN)*, MIFARE DESFire (CSN)*, Seos	iCLASS, iCLASS SE: MIFARE Classic (CSN)*, MIFARE DESFire (CSN)*, Seos	Seos
Bosch code	no	no	no	no	no
Power supply	12 VDC	12 VDC	12 VDC	12 VDC	12 VDC
Environment class	IP65	IP65	IP65	IP65	IP65
Maximum reading distance*	10 cm	10 cm	10 cm	10 cm	10 cm
Keypad	no	yes	no	yes	no
Dimensions (H x W x D)	121,5 x 45 x 19,5 mm	121,5 x 45 x 21,5 mm	121,5 x 80 x 19,5 mm	121,5 x 80 x 21,5 mm	121,5 x 45 x 19,5 mm

- 13.56 MHz proximity readers for connecting to access controller with Wiegand interfaces
- Available with four different form factors, LECTUS secure readers meet nearly all installation requirements
- Easy installation, plug and play
- For in- & outdoor use (IP65)

* Only applicable to readers ordered after July 1st 2026 in the EMEA & APAC region

Smart card readers

Smart readers – MIFARE DESFire

Name	LECTUS select E	LECTUS select E	LECTUS select E	LECTUS select E
Material description	**Card reader with keypad, OSDP (black)**	**Card reader, OSDP (black)**	**Card reader with keypad, OSDP (white)**	**Card reader, OSDP (white)**
Commercial type number (CTN)	ARD-ESELECT-BOK	ARD-ESELECT-BO	ARD-ESELECT-WOK	ARD-ESELECT-WO
Bosch controller compatibility	RS-485 AMC2	RS-485 AMC2	RS-485 AMC2	RS-485 AMC2
Software compatibility	BIS-AMS, AMS	BIS-AMS, AMS	BIS-AMS, AMS	BIS-AMS, AMS
Interfaces	RS-485	RS-485	RS-485	RS-485
Supported protocol	OSDPv2 SC	OSDPv2 SC	OSDPv2 SC	OSDPv2 SC
Panel connection	Connector with spring force clamp	Connector with spring force clamp	Connector with spring force clamp	Connector with spring force clamp
Mounting	Flush mount / Surface mount	Flush mount / Surface mount	Flush mount / Surface mount	Flush mount / Surface mount
Supported standard	ISO 1443A	ISO 1443A	ISO 1443A	ISO 1443A
Supported credential technology	MIFARE DESFire EV1 & EV3	MIFARE DESFire EV1 & EV3	MIFARE DESFire EV1 & EV3	MIFARE DESFire EV1 & EV3
Bosch code	yes	yes	yes	yes
Power supply	8 – 30 VDC	8 – 30 VDC	8 – 30 VDC	8 – 30 VDC
Environment class	IP54	IP54	IP54	IP54
Maximum reading distance	4 cm	4 cm	4 cm	4 cm
Keypad	yes	no	yes	no
Dimensions (H x W x D)	81 x 81 x 24 mm	81 x 81 x 24 mm	81 x 81 x 24 mm	81 x 81 x 24 mm

- The Compact member of the LECTUS select family focuses on the essentials of security
- Reads MIFARE classic & MIFARE DESFire EV1 & EV3
- Supports Bosch coded MIFARE data sector and reading the CSN of ISO14443A cards as well.
- Easy and fast installation with spring clamp connector for the cabling
- Flush mount or optional wall mount

Smart card readers

Multitech smart readers – MIFARE and LEGIC

Name	LECTUS select	LECTUS select	LECTUS select	LECTUS select
Material description	**Card reader with keypad, OSDP (black)**	**Card reader, OSDP (black)**	**Card reader with keypad, OSDP (white)**	**Card reader, OSDP (white)**
Commercial type number (CTN)	ARD-SELECT-BOK*	ARD-SELECT-BO*	ARD-SELECT-WOK*	ARD-SELECT-WO*
Bosch controller compatibility	APC-AMC2-4R4CF	APC-AMC2-4R4CF	APC-AMC2-4R4CF	APC-AMC2-4R4CF
Software compatibility	BIS-AMS, AMS	BIS-AMS, AMS	BIS-AMS, AMS	BIS-AMS, AMS
Interfaces	RS-485	RS-485	RS-485	RS-485
Supported protocol	OSDPv2 SC	OSDPv2 SC	OSDPv2 SC	OSDPv2 SC
Panel connection	Terminal strip	Terminal strip	Terminal strip	Terminal strip
Mounting	Flush mount / Surface mount (use optional mount panel) **	Flush mount / Surface mount (use optional mount panel) **	Flush mount / Surface mount (use optional mount panel) **	Flush mount / Surface mount (use optional mount panel) **
Supported standard	ISO 14443A, ISO 15693, ISO 14443B	ISO 14443A, ISO 15693, ISO 14443B	ISO 14443A, ISO 15693, ISO 14443B	ISO 14443A, ISO 15693, ISO 14443B
Supported credential technology	MIFARE DESFire EV1 & EV3, LEGIC advant	MIFARE DESFire EV1 & EV3, LEGIC advant	MIFARE DESFire EV1 & EV3, LEGIC advant	MIFARE DESFire EV1 & EV3, LEGIC advant
Bosch code	yes	yes	yes	yes
Power supply	8 – 30 VDC	8 – 30 VDC	8 – 30 VDC	8 – 30 VDC
Environment class	IP54	IP54	IP54	IP54
Maximum reading distance	7.6 cm	7.6 cm	7.6 cm	7.6 cm
Keypad	yes	no	yes	no
Dimensions (H x W x D)	88 x 99 x 27 mm	88 x 99 x 27 mm	88 x 99 x 27 mm	88 x 99 x 27 mm

- Modern design, front cover, rear panel and surface-mounted housing made of plastic
- They come equipped with the Bosch coded MIFARE data sector and support reading the CSN of ISO14443A cards as well.
- Easy installation
- Flush-mount: on standard flush-mounting box Ø 60 mm
- Surface-mount: directly on the wall - cable entry options from above, below and behind the device
- Sabotage monitoring
- When using smart cards that carry multiple applets (e.g. MIFARE & Legic), please check with your integrator for the best performance of the installation

* Check regional availability with your local sales contact

** Surface-mount: directly on the wall - cable entry options from above, below and behind the device. Use optional mount panel. For the black model CTN: ARA-SELECT-SWA. For the white model CTN: ARA-SELECT-WWA.

Smart card readers

Multitech smart readers – MIFARE and LEGIC – Bosch Mobile Access ready

Name	LECTUS select	LECTUS select	LECTUS select	LECTUS select
Material description	**Card reader with keypad, OSDP, BLE (black)**	**Card reader, OSDP, BLE (black)**	**Card reader with keypad, OSDP, BLE (white)**	**Card reader, OSDP, BLE (white)**
Commercial type number (CTN)	ARD-SELECT-BOKM*	ARD-SELECT-BOM*	ARD-SELECT-WOKM*	ARD-SELECT-WOM*
Bosch controller compatibility	APC-AMC2-4R4CF	APC-AMC2-4R4CF	APC-AMC2-4R4CF	APC-AMC2-4R4CF
Software compatibility	BIS-AMS, AMS	BIS-AMS, AMS	BIS-AMS, AMS	BIS-AMS, AMS
Interfaces	RS-485	RS-485	RS-485	RS-485
Supported protocol	OSDPv2 SC	OSDPv2 SC	OSDPv2 SC	OSDPv2 SC
Panel connection	Terminal strip	Terminal strip	Terminal strip	Terminal strip
Mounting	Flush mount / Surface mount (use optional mount panel) **	Flush mount / Surface mount (use optional mount panel) **	Flush mount / Surface mount (use optional mount panel) **	Flush mount / Surface mount (use optional mount panel) **
Supported standard	ISO 14443A, ISO 15693, ISO 14443B	ISO 14443A, ISO 15693, ISO 14443B	ISO 14443A, ISO 15693, ISO 14443B	ISO 14443A, ISO 15693, ISO 14443B
Supported credential technology	MIFARE DESFire EV1 & EV3, LEGIC advant, Mobile Credential	MIFARE DESFire EV1 & EV3, LEGIC advant, Mobile Credential	MIFARE DESFire EV1 & EV3 LEGIC advant, Mobile Credential	MIFARE DESFire EV1 & EV3, LEGIC advant, Mobile Credential
Bosch code	yes	yes	yes	yes
Power supply	8 – 30 VDC	8 – 30 VDC	8 – 30 VDC	8 – 30 VDC
Environment class	IP54	IP54	IP54	IP54
Maximum reading distance	7.6 cm	7.6 cm	7.6 cm	7.6 cm
Keypad	yes	no	yes	no
Dimensions (H x W x D)	88 x 99 x 27 mm	88 x 99 x 27 mm	88 x 99 x 27 mm	88 x 99 x 27 mm
Wireless technology standard	BLUETOOTH®	BLUETOOTH®	BLUETOOTH®	BLUETOOTH®

- Modern design, front cover, rear panel and surface-mounted housing made of plastic
- Readers are equipped with Bluetooth® Low Energy module and allows to use physical as well as virtual cards
- They come equipped with the Bosch coded MIFARE data sector and support reading the CSN of ISO14443A cards as well.
- Seamless access by using a mobile phone for authentifcation in front of the LECTUS select reader can be enabled with Mobile Access.
- Easy installation
- Flush-mount: on standard flush-mounting box Ø 60 mm
- Surface-mount: directly on the wall - cable entry options from above, below and behind the device
- Sabotage monitoring
- When using smart cards that carry multiple applets (e.g. MIFARE & Legic), please check with your integrator for the best performance of the installation

* Check regional availability with your local sales contact

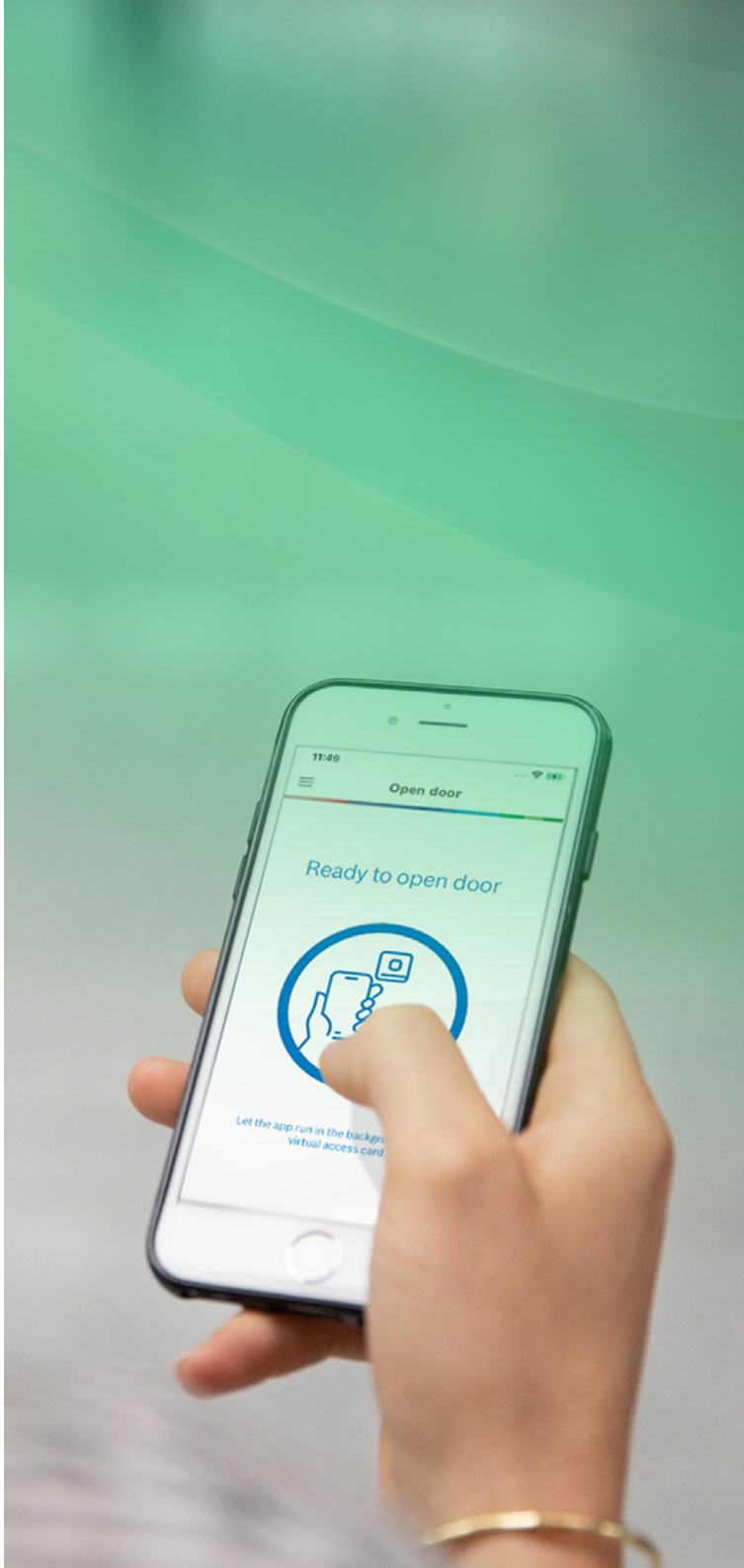
** Surface-mount: directly on the wall - cable entry options from above, below and behind the device. Use optional mount panel. For the black model CTN: ARA-SELECT-SWA. For the white model CTN: ARA-SELECT-WWA.

Bluetooth module for Wiegand readers
LECTUS blue

Name	LECTUS blue
Material description	**Reader module, BLE, Wiegand**
Commercial type number (CTN)	ARM-BLUE-WI

Bosch controller compatibility	AMC2-4WCF, AMC2-2WCF
Software compatibility	AMS 5.5 and above; BIS-ACE 5.0.1. and above
Reader compatibility	LECTUS duo, STid Wiegand, LECTUS secure (iCLASS SE)
Interfaces	Wiegand
Supported protocol	Wiegand
Panel connection	Terminal strip
Supported credential technology	Mobile Credential
Power supply	10 – 30 VDC
Environment class	IP55, IP54*
Dimensions (H x W x D)	21 x 30 x 7 mm
Wireless technology standard	BLUETOOTH®

- Enable 13.56 MHz proximity reader with Wiegand access controller to use Mobile credential
- Easy and seamless installation behind the reader
- Communication with mobile phone over Bluetooth® Low Energy
- Full mobile access functionality for your system



* Environment class dependent on reader choice

Enrollment reader
LECTUS enroll 5000

Name	LECTUS enroll 5000
Material description	**USB enrollment reader, MIFARE EV1**
Commercial type number (CTN)	ARD-EDMCV002-USB

Software compatibility	BIS-AMS, AMS
Panel connection	USB
Mounting	Surface mount
Supported standard	ISO 14443A
Supported credential technology	MIFARE classic, DESFire EV1
Bosch code	yes
Power supply	Powered by USB
Environment class	IP40 (indoor)
Keypad	no
Dimensions (H x W x D)	112 x 54 x 27 mm

Biometric readers
IDEMIA SIGMA Lite

Name	IDEMIA SIGMA Lite	IDEMIA SIGMA Lite	IDEMIA SIGMA Lite	IDEMIA SIGMA Lite
Material description	**Fingerprint reader, LED indicator**	**Fingerprint-card reader, iClass, LED indicator**	**Fingerprint-card reader, Prox, LED indicator**	**Fingerprint-card reader, Multi, LED indicator**
Commercial type number (CTN)	293678615	293678628	293673665	293678636
Bosch controller compatibility	AMC2-4WCF, AMC2-2WCF, AMC2-4R4CF	AMC2-4WCF, AMC2-2WCF, AMC2-4R4CF	AMC2-4WCF, AMC2-2WCF, AMC2-4R4CF	AMC2-4WCF, AMC2-2WCF, AMC2-4R4CF
Software compatibility	BIS-AMS, AMS	BIS-AMS, AMS	BIS-AMS, AMS	BIS-AMS, AMS
Interfaces	Wiegand, RS-485	Wiegand, RS-485	Wiegand, RS-485	Wiegand, RS-485
Supported protocol	Wiegand, OSDPv2 SC	Wiegand, OSDPv2 SC	Wiegand, OSDPv2 SC	Wiegand, OSDPv2 SC
Panel connection	Pigtail	Pigtail	Pigtail	Pigtail
Mounting	Surface mount	Surface mount	Surface mount	Surface mount
Supported standard	-	ISO 15693	-	ISO 14443A
Supported credential technology	-	HID iClass, iClass SE, Seos	HID Prox	MIFARE Classic, MIFARE DESFire
Bosch code	no	no	no	no
Power supply	12 - 24 VDC or PoE	12 - 24 VDC or PoE	12 - 24 VDC or PoE	12 - 24 VDC or PoE
Environment class	IP65	IP65	IP65	IP65
Keypad	no	no	no	no
Dimensions (H x W x D)	156 x 68 x 62 mm	156 x 68 x 62 mm	156 x 68 x 62 mm	156 x 68 x 62 mm

Biometric readers
IDEMIA SIGMA Lite+

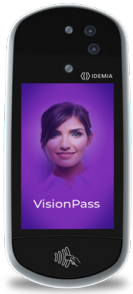
Name	IDEMIA SIGMA Lite+	IDEMIA SIGMA Lite+	IDEMIA SIGMA Lite+
Material description	**Fingerprint-card reader, iClass, touchscreen**	**Fingerprint-card reader, Prox, touchscreen**	**Fingerprint-card reader, Multi, touchscreen**
Commercial type number (CTN)	293673644	293678678	293678660
Bosch controller compatibility	AMC2-4WCF, AMC2-2WCF, AMC2- 4R4CF	AMC2-4WCF, AMC2-2WCF, AMC2- 4R4CF	AMC2-4WCF, AMC2-2WCF, AMC2- 4R4CF
Software compatibility	BIS-AMS, AMS	BIS-AMS, AMS	BIS-AMS, AMS
Interfaces	Wiegand, RS-485	Wiegand, RS-485	Wiegand, RS-485
Supported protocol	Wiegand, OSDPv2 SC	Wiegand, OSDPv2 SC	Wiegand, OSDPv2 SC
Panel connection	Pigtail	Pigtail	Pigtail
Mounting	Surface mount	Surface mount	Surface mount
Supported standard	ISO 15693	-	ISO 14443A
Supported credential technology	HID iClass, iClass SE, Seos	HID Prox	MIFARE Classic, MIFARE DESFire
Bosch code	no	no	no
Power supply	12 - 24 VDC or PoE	12 - 24 VDC or PoE	12 - 24 VDC or PoE
Environment class	IP65	IP65	IP65
Keypad	yes	yes	yes
Dimensions (H x W x D)	156 x 68 x 62 mm	156 x 68 x 62 mm	156 x 68 x 62 mm

Biometric readers
IDEMIA MorphoWave SP and IDEMIA VisionPass SP

Name	IDEMIA MorphoWave SP	IDEMIA VisionPass SP
Material description	**Contactless fingerprint reader, SP MD**	**Facial recognition reader, SP MDI**
Commercial type number (CTN)	293777400	293793826
Bosch controller compatibility	AMC2-4WCF, AMC2-2WCF, AMC2-4R4CF	AMC2-4WCF, AMC2-2WCF, AMC2-4R4CF
Software compatibility	BIS-AMS, AMS	BIS-AMS, AMS
Interfaces	Wiegand, RS-485	Wiegand, RS-485
Supported protocol	Wiegand, OSDPv2 SC	Wiegand, OSDPv2 SC
Panel connection	Pigtail	Pigtail
Mounting	Surface mount or pedestal mount (optional)	Surface mount
Supported standard	ISO 14443A (MiFare)	ISO 14443A (MiFare) and ISO 15693 (iClass and Seos)
Supported credential technology	MIFARE DESFire	HID iClass, iClass SE, Seos MIFARE DESFire
Bosch code	-	-
Power supply	12 - 24 VDC or PoE+	12 - 24 VDC or PoE+
Environment class	IP65	IP65
Keypad	no	yes
Dimensions (H x W x D)	250 x 152 x 216 mm	210 x 102 x 350 mm

Additional fingerprint module attachable to the bottom of VisionPass SP. Purchased separately with CTN 293813897

Biometric readers
IDEMIA VisionPass and Fingerprint reader

Name	IDEMIA VisionPass	Bosch Fingerprint reader
Material description	**Facial recognition card reader, MDPI**	**Fingerprint-card reader, OSDP, multiCLASS**
Commercial type number (CTN)	293744604	ARD-FPBEW2-H3
		
Bosch controller compatibility	AMC2-4WCF, AMC2-2WCF, AMC2-4R4CF	AMC2-4WCF, AMC2-2WCF, AMC2-4R4CF
Software compatibility	BIS-AMS, AMS	BIS-AMS, AMS
Interfaces	Wiegand, RS-485	Wiegand, RS-485
Supported protocol	Wiegand, OSDPv2 SC	Wiegand, OSDPv2 SC
Panel connection	Pigtail	Terminal strip, RJ45 (PoE)
Mounting	Surface mount	Surface mount
Supported standard	ISO 14443A (MiFare) and ISO 15693 (iClass and Seos)	ISO 14443A
Supported credential technology	HID iClass, iClass SE, Seos HID Prox MIFARE DESFire	EM, HID Prox, MIFARE Classic, MIFARE DESFire EV1, HID-Corporate-1000, iCLASS, iCLASS SE, Seos
Bosch code	-	yes
Power supply	12 - 24 VDC	12 VDC or PoE
Environment class	IP65	IP67
Maximum reading distance	-	13 – 127 mm
Keypad	yes	no
Dimensions (H x W x D)	156 x 68 x 62 mm	172 x 50 x 43 mm

Credentials
MIFARE DESFire, MIFARE Classic

Material description	**Card, MIFARE EV1, Bosch coded**	**Keyfob MIFARE EV1**	**MIFARE Classic Card Imprinted Card Number/ Bosch coded**	**Contactless MIFARE ID Keyfob 1**
Commercial type number (CTN)	ACD-EV1-ISO	ACT-EV1TRF-SA1	ACD-MFC-ISO	ACT-MFCTRF-SA1
Description	MIFARE DESFire EV1 ID card with 8 kByte data storage, 2 application areas, one of which can be customized.	MIFARE DESFire EV1 ID keyfob with 8 kByte data storage, 2 application areas, one of which can be customized.	MIFARE Classic ID card with 1 kByte data storage, 2 application areas, one of which can be customized ■ PVC plastic card ■ Credit card size ■ Imprinted card number ■ MIFARE Classic chip or	MIFARE Classic ID keyfob with 1 kByte data storage, 2 application areas, one of which can be customized

Material description	**Card, MIFARE EV3, Bosch coded**	**Keyfob, MIFARE EV3, Bosch coded**
Commercial type number (CTN)	ACD-EV3-ISO	ACT-EV3TRF-SA1
Description	MIFARE DESFire EV3 ID card with 8 kByte data storage, one application can be customized.	MIFARE DESFire EV3 ID keyfob with 8 kByte data storage, one application can be customized.

MIFARE DESFire and MIFARE Classic are all Bosch coded and compatible with the complete Bosch reader portfolio.
Further credentials can be found in your local online product catalogue.

Credentials
iCLASS & Seos credentials

Material description	Card iCLASS 26bit 16kbit 2areas 50pcs	Card iCLASS 26bit 16kbit 16areas 50pcs	Keyfob, iCLASS 26bit 256B 2areas, 50pcs	Adh. Tag iClass 26bit 256B 2areas 50pcs
Commercial type number (CTN)	ACD-ICL2K-2AR	ACD-ICL2K-16AR	ACT-ICL256-2AR	ACA-ICL256-2AR
Description	A 13.56 MHz contactless smart card in 26bit format with 16kbit (2kB) and 2 application areas	A 13.56 MHz contactless smart card in 26bit format with 16kbit (2kB) and 16 application areas	A plastic tag (PVC) with fastening slot in 26bit format with 2kbit (256 B) and 2 application areas	A 13.56 MHz contactless adhesive tag in 26bit format with 2kbit (256 B) and 2 application areas

Material description	Card, Seos, 8K, 26 bit	Keyfob, Seos, 8K, 26 bit	Card, Seos, 8K, 37 bit	Keyfob, Seos, 8K, 37 bit
Commercial type number (CTN)	ACD-SEO8K26-50	ACT-SEO8K26-10	ACD-SEO8K37-50	ACT-SEO8K37-10
Description	A 13.56 MHz contactless smart card programmed to Wiegand 26-bit format in 8 kByte capacity.	A 13.56 MHz contactless Keyfob programmed to Wiegand 26-bit format in 8 kByte capacity.	A 13.56 MHz contactless smart card programmed to Wiegand 37-bit format in 8 kByte capacity.	A 13.56 MHz contactless Keyfob programmed to Wiegand 37-bit format in 8 kByte capacity.

Readers and credentials
Compatibility matrix

Bus type		Card format									
		MIFARE DESFire EV1, EV3 (Bosch code)	MIFARE Classic (Bosch code)	iCLASS, iCLASS SE	Seos	LEGIC advant	LEGIC prime	ISO 14443-A CSN	EM card	HID Prox	Mobile credentials
		13.56 MHz							125kHz		
RS-485	LECTUS select BLE	●	●*			●	●*	●*			●
RS-485	LECTUS select	●	●*			●	●*	●*			
RS-485	LECTUS select E	●	●*								
RS-485	Stid Readers (OSDP) ARC1W33BPH5B201A ARCW33APHB201A ARCW33BPHB201A	●*						●			
RS-485 Wiegand	LECTUS duo 3000 C LECTUS duo 3000 CK		●					●			●**
RS-485 Wiegand	LECTUS duo 3000 E LECTUS duo 3000 EK	●	●					●			●**
RS-485 Wiegand	ARD-FPBEW2-H3	●	●	●	●			●	●	●	

* Special configuration is needed
** Only with Wiegand interface

Readers and credentials
Compatibility matrix

Bus type		Card format								
		MIFARE DESFire EV1, EV3	MIFARE Classic	iCLASS, iCLASS SE	Seos	LEGIC advant	ISO 14443-A CSN	EM card	HID Prox	Mobile credentials
		13.56 MHz						125kHz		
RS-485	LECTUS secure 1000 SO				●					●**
RS-485	LECTUS secure 1000 IC LECTUS secure 3000 IC LECTUS secure 4000 IC LECTUS secure 5000 IC	●*	●*	●	●					●**
Wiegand	Stid Readers (Wiegand) ARC1R31B103B101A ARCR31A103B101A ARCR31B103B101A	●	●				●			●
Wiegand	ARD-AYK12							●		
Wiegand	ARD Miniprox ARD Entrypox ARD-PROX-PPL								●	

* Only applicable to readers ordered after July 1st 2026 in the EMEA & APAC region
** Only with Wiegand interface

Access Modular Controller
AMC controllers

Material description	Door controller Wiegand, 2 readers	Door controller Wiegand, 4-8 readers	Door controller RS-485, 8 readers
Commercial type number (CTN)	APC-AMC2-2WCF	APC-AMC2-4WCF	APC-AMC2-4R4CF
Input voltage	10 - 30 VDC	10 - 30 VDC	10 - 30 VDC
Output voltage	12 VDC	12 VDC	10 - 30 VDC
Number of connectable readers	2	4	8
Number of Inputs	4	8	8
Number of Outputs	4	8	8
Display	yes	yes	yes
Amount of cardholders	400.000	400.000	400.000
Reader Interface	Wiegand	Wiegand	RS-485
Max reader cable length	110m per reader port	110m per reader port	1200m per Bus
Reader operating voltage	12V DC	12V DC	10-30V DC
Reader monitoring	no	no	yes
Number of wires per reader	6 + shield	6 + shield	4 + shield
Number of connectable reader extensions	1	1	–
Number of connectable I/O extensions	3	3	3
Mounting	Standard DIN rail	Standard DIN rail	Standard DIN rail
Reader protocol support	Wiegand	Wiegand	OSDP
Standards	CE, UL	CE, UL	CE, UL
Dimensions (H x W x D)	90 x 232 x 63 mm	90 x 232 x 63 mm	90 x 232 x 63 mm

Access Modular Controller
AMC I/O extension boards

Material description	Wiegand extension board for 4 readers	I/O extension board with 8-input & 8-output	I/O extension board with 16-input & 16-output	I extension board with 16-input
Commercial type number (CTN)	API-AMC2-4WE	API-AMC2-8IOE	API-AMC2-16IOE	API-AMC2-16IE
Input voltage	10 - 30 VDC	10 - 30 VDC	10 - 30 VDC	10 - 30 VDC
Output voltage to reader	12 VDC	n/a	n/a	n/a
Number of connetcable readers	4	–	–	–
Number of Inputs	8	8	16	16
Number of Outputs	8	8	16	
Mounting	Standard DIN rail	Standard DIN rail	Standard DIN rail	Standard DIN rail
Display	no	no	no	no
Dimensions (H x W x D)	90 x 232 x 46 mm	90 x 232 x 46 mm	90 x 232 x 46 mm	90 x 232 x 46 mm

Access Modular Controller
Accessories

Enclosures

Material description	Enclosure with 1 DIN rail	Enclosure with 2 DIN rails	Enclosure with power supply & DIN rail
Commercial type number (CTN)	AEC-AMC2-UL01	AEC-AMC2-UL02	AEC-AMC2-ENC3
Information	■ Steel enclosure with status LED and preassembled cables ■ 1 DIN rail system for easy mounting of AMC2 or AMC2 extension board, power supply and battery	■ Steel enclosure with status LED and preassembled cables ■ 2 DIN rail system for easy mounting of AMC2 or extension board, power supply and battery	■ Steel enclosure with preassembled cabling ■ This enclosure can be used for securely mounting and housing AEC and AMC2 and a power supply

Mounting Plate, Power supply

Material description	Mounting plate for 2 or 4 DIN rails	Power Supply Unit
Commercial type number (CTN)	AEC-PANEL19-UPS/AEC-PANEL19-4DR	APS-PSU-60
Information	■ 4 rack units/ 88 horizontal pitches ■ Up to four rails for AMC devices ■ Battery bracket ■ Screw socket for PBC-60 ■ Cable kits to connect the power supply	■ Power supply unit with integrated battery charging device ■ Support of 12 V/7 Ah, 12 V/14 Ah and 24 V/7 Ah batteries

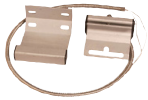
Access hardware extensions

Request-to-Exit

Material description		Standard PIR		High-performance PIR	
Commercial type number (CTN)		DS150i	DS151i	DS160	DS161
Overview	**Application type**	Small to large commercial	Small to large commercial	Small to large commercial	Small to large commercial
	Application risk level	Low to moderate risk	Low to moderate risk	Moderate to high risk	Moderate to high risk
	Environment	Standard	Standard	Standard	Standard
Specifications	**Coverage/range**	2.4 x 3 m	2.4 x 3 m	2.4 x 3 m	2.4 x 3 m
	Mounting height	2.1 to 3 m	2.1 to 3 m	2.3 to 4.6 m	2.3 to 4.6 m
	Operating temperature	-29° to 49° C	-29° to 49° C	-29° to 49° C	-29° to 49° C
	Operating voltage	12 VAC or VDC; 24 VAC or VDC	12 VAC or VDC; 24 VAC or VDC	12 VAC or VDC; 30 VAC or VDC	12 VAC or VDC; 30 VAC or VDC
	Current draw (typical)	26 mA nominal	26 mA nominal	8 mA nominal	8 mA nominal
Features	**Door monitor with sounder**	–	–	■	■
	Keycard reader input	–	–	■	■
	Sequential logic input	–	–	■	■
	Relay fail-safe/fail-secure	■	■	■	■
	Relay settable select	■	■	■	■
	Relay latch time adjustment	0.25 to 60 seconds	0.25 to 60 seconds	0.5 to 64 seconds	0.5 to 64 seconds
	Pattern masking	■	■	■	■
	Alarm output/memory	–/■	–/■	–/■	–/■
	Tamper	–	–	■	■
	Pointable optics	Vertical adjustment	Vertical adjustment	Vertical adjustment	Vertical adjustment
	Switchable relay mode	■	■	■	■
	Switchable timer reset mode	■	■	■	■
	Adjustable sounder volume	–	–	■	■
	PIR sensitivity adjustment	■	■	■	■
	Enable/disable LED	–	–	■	■
	Flexible mounting height	■	■	■	■
Certifications		UL, CE	UL, CE	UL, CE	UL, CE

■ Available – Not available

Door and window contacts
Surface mount

Commercial type number (CTN)	ISN-CSM20-WGW	ISN-CSM35-W	ISN-CMET-200AR	ISN-CMET-4418	ISN-C66
					
Contact type	Commercial wide gap contacts	Standard and wide gap contacts	Commercial metal contact	Overhead door contact	Track mounted overhead door contact
Contact dimensions	16 x 105 x 16 mm	63 x 18.6 x 13 mm	9.5 x 16 x 50.8 mm	107 x 50.8 x 12 mm	76.2 x 66 x 45.8 mm
Operating temperature range	-40 to 60 °C	-40 to 60 °C	-40 to 60 °C	-40 to 60 °C	-40 to 60 °C
Certifications	CE, UL	CE, UL	CE, UL	CE, UL	CE, UL
Package quantity	1	10	1	1	1

Commercial type number (CTN)	ISN-C60-W	ISN-C45-W	ISC-RSC2-S / ISC-RSC3-S	ISC-PMC-S2S	4998133929 / 4998133931	ISC-PMC-SF2S / ISC-PMC-S3S
Contact type	"Slim Terminal Connection Contacts"	"Miniature Super Stick Contacts"	Shutter door contact	Conventional magnetic contacts	Conventional magnetic contacts	Conventional magnetic contacts
Contact dimensions	6.35 mm x 9.5 mm x 50.8 mm	4.8 mm x 27 mm x 6.35 mm	6.5 x 4.2 x 3.5 cm	5.9 x 1.2 x 1.7 cm	4.3 x 1.2 x 1.2 cm	4.3 x 1.2 x 1.2 cm
Operating temperature range	-40 to 60 °C	-40 to 60 °C	-40 to 70 °C	-25 to 70 °C	-25 to 70 °C	-25 to 70 °C
Certifications	CE, UL	CE, UL	VdS, CE, EN50131-2-6 Grade 2 / Grade 3	FK, CE, EN50131-2-6 Grade 2	VdS class B / class C, CE	FK, VdS, CE, EN50131-2-6 Grade 2 / Grade 3
Package quantity	10	10	1	1	1	1

Door and window contacts
Recessed mount

Commercial type number (CTN)	ISN-CSD70-W / ISN-CSD70-B	ISN-CTC75-W / ISN-CTC75-B
Contact type	Compact contacts (white or brown)	Terminal Connection Contacts 19 mm (white or brown)
Contact dimensions	19 x 20.3 mm	19 x 30 mm
Operating temperature range	7.2 to -95.56 °C	7.2 to -95.56 °C
Certifications	CE, UL	CE, UL
Package quantity	10	10

Commercial type number (CTN)	4998133928 / 4998133930	ISC-PMC-F3S
Contact type	Conventional magnetic contacts	Conventional magnetic contacts
Contact dimensions	0.8 x 3 cm	0.8 x 3 cm
Operating temperature range	-25 to 70 °C	-25 to 70 °C
Certifications	VdS class B / class C, CE	VdS, CE, EN50131-2-6 Grade 3
Package quantity	1	1

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How-to videos
Watch the How-to videos on YouTube to learn step by step how to install, configure and setup our access control software.

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