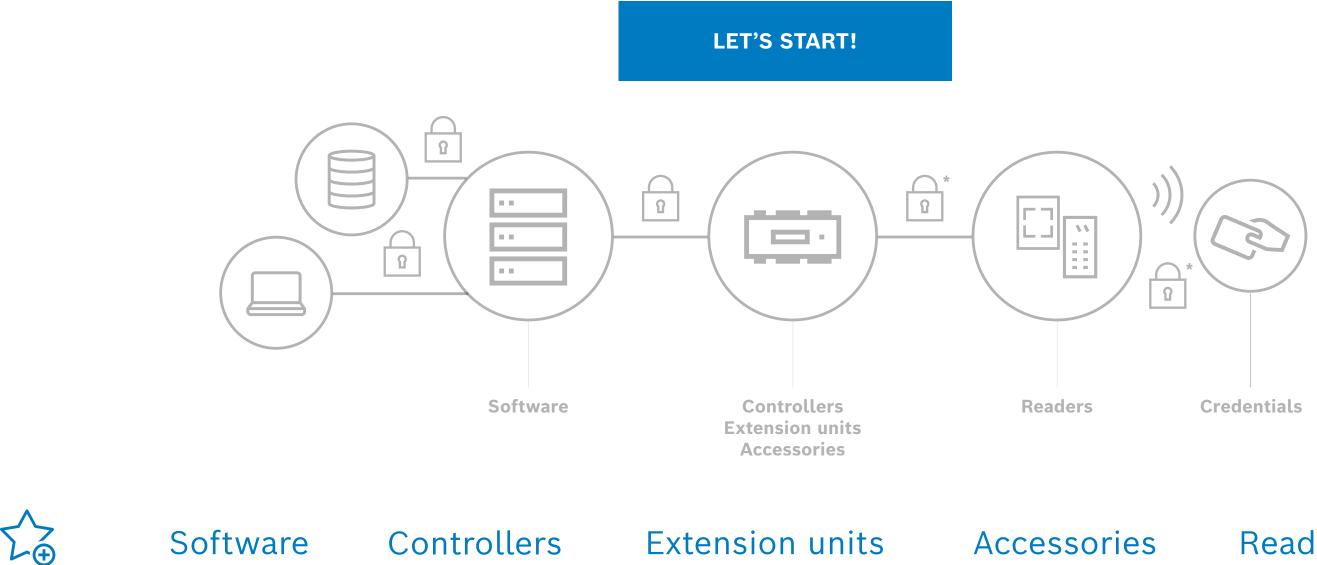


# **Interactive Portfolio for Access Control**

Welcome to this interactive portfolio of Bosch Access Control products. You can click on the product categories below or click on the button 'Let's start!' and follow the steps that guide you through the products we offer to build an access control system. Finally you can visit the Wishlist 🏠 for an overview of all our products and tag the products of your interest.



Readers Credentials



### Software

Access Management System

Visitor management



Integrated solutions from partners



Readers

Credentials



## Controllers





### Door controller Wiegand

4-8 readers

Security Level Supported Reader technology

#### Low security

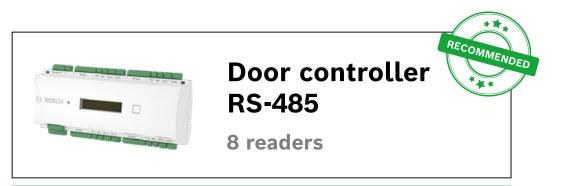
Moderate security

High security

Software

Controllers

Extension units



Accessories

Readers

Credentials



### **Extension units**





### I/O extension board

**Extension units** 

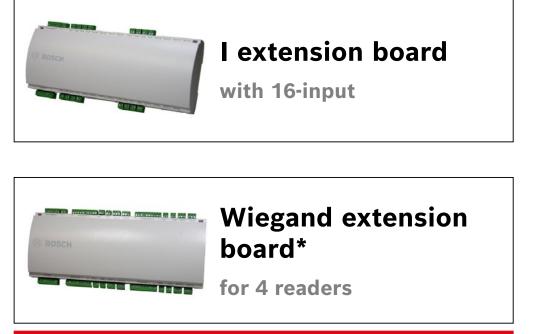
with 16-input & 16-output

Security Level Supported Reader technology

- Low security
- Moderate security
- High security

Software

Controllers



\* only applicable for: Door controller Wiegand 4-8 readers

### Accessories Readers Credentials



### Accessories





Software





### **Enclosure with power** supply & DIN rail

Readers

Credentials



### Readers



Extension units

Software

Controllers

- High security

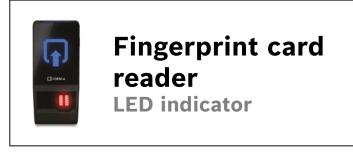


**BIOMETRIC READERS** 

Readers Credentials Accessories



### **Biometric readers**





Fingerprint card reader

touchscreen



Contactless 3D fingerprint card reader

#### Security Level

**Supported Credential technology** 

Low security

Moderate security

High security

Software

Controllers

Extension units

**BACK TO READERS** 



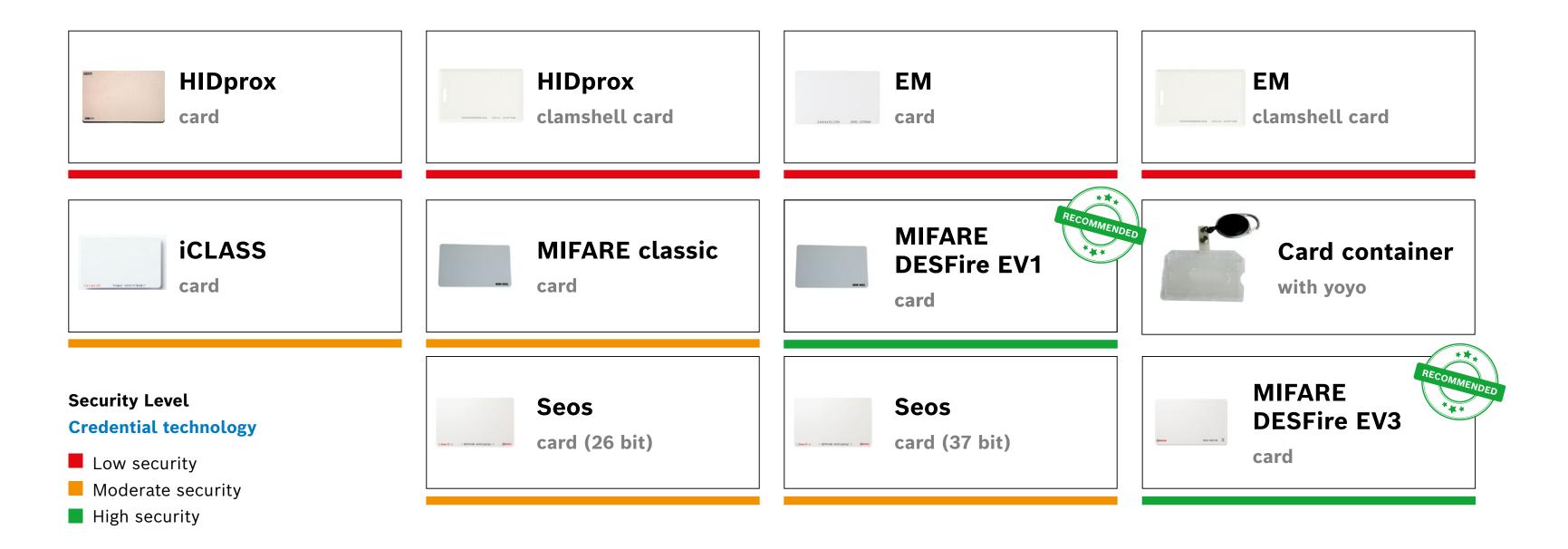
### Accessories







# **Credentials | Cards**



Software

Controllers

Extension units

#### **CREDENTIALS | OTHERS**

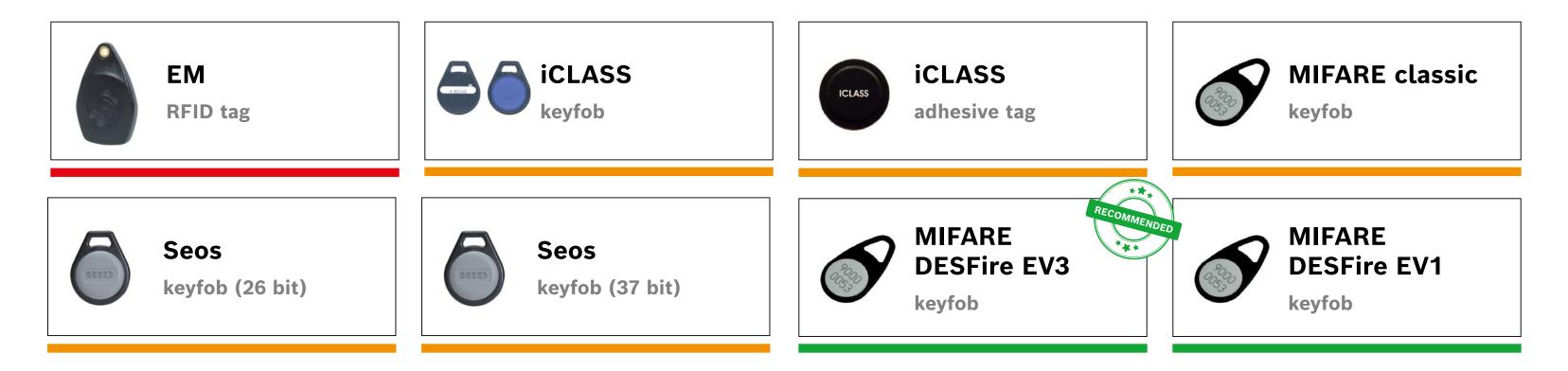
### Accessories Readers **Credentials**



# **Credentials | Others**

Software

Controllers



Extension units

#### Security Level

**Credential technology** 

- Low security
- Moderate security
- High security

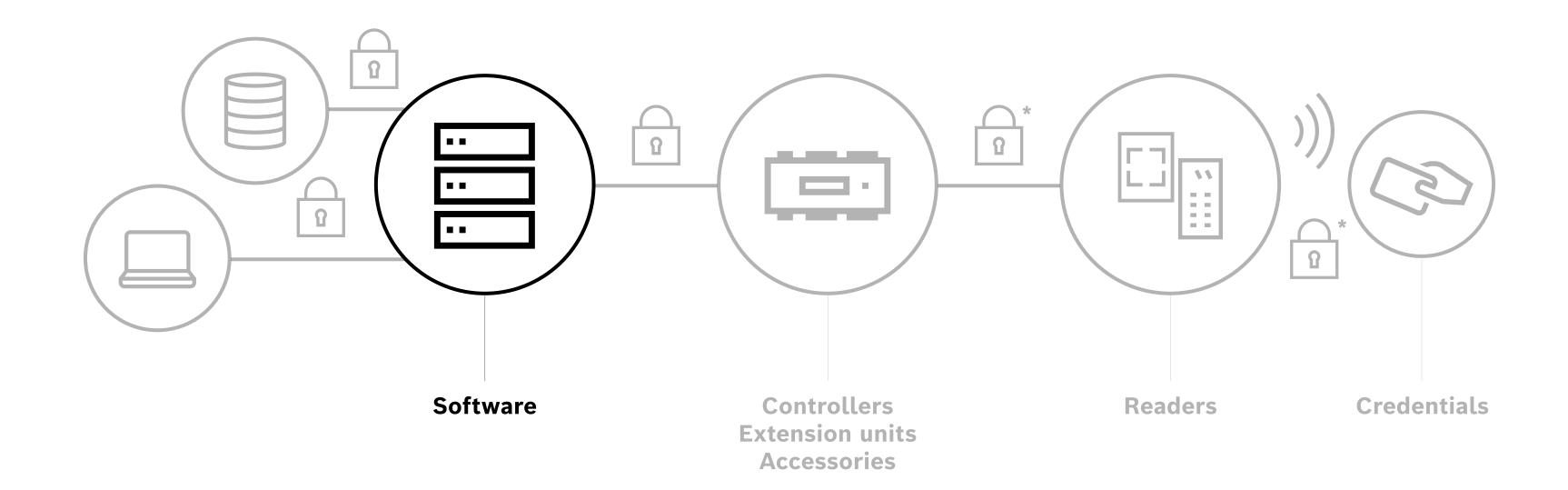
**CREDENTIALS | CARDS** 

### Accessories

Readers







\* Dependent on technology

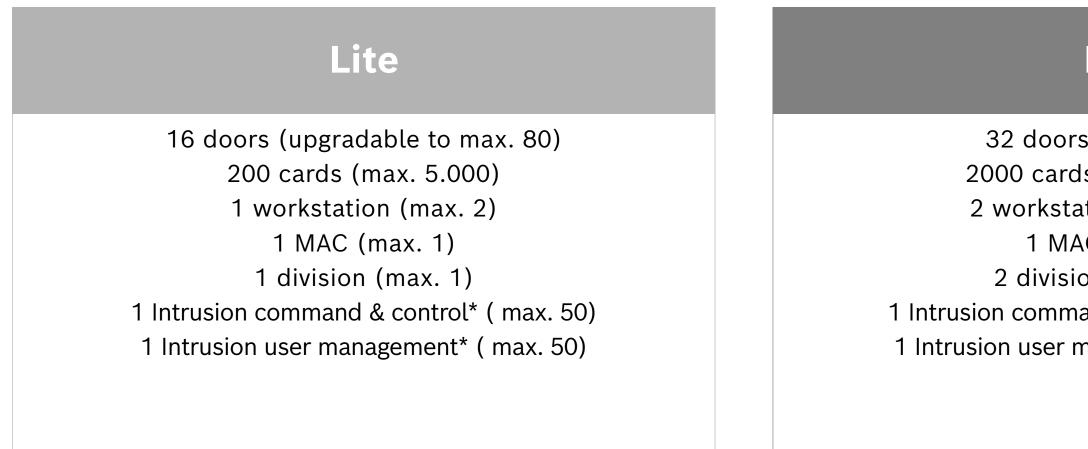






### **Access Management System**

The Access Management System from Bosch is a flexible access management system for medium- to large-sized organizations. It is easy to operate and expand. Nevertheless, it is extremely stable, offering very high reliability, security and several features found only in high-end security solutions.



\*Applies to the B and G series intrusion alarm system: same license for command & control and user management

**MORE INFORMATION** 

**PRODUCT CATALOG PAGE** 

### Plus

32 doors (max. 10.000) 2000 cards (max. 400.000) 2 workstations (max. 200) 1 MAC (max. 40) 2 divisions (max. 200) 1 Intrusion command & control \*( max. 80) 1 Intrusion user management\* ( max. 500)







## **Additional software**

Do you want to have additionally the option of Visitor Management or other (third party) integrated software?

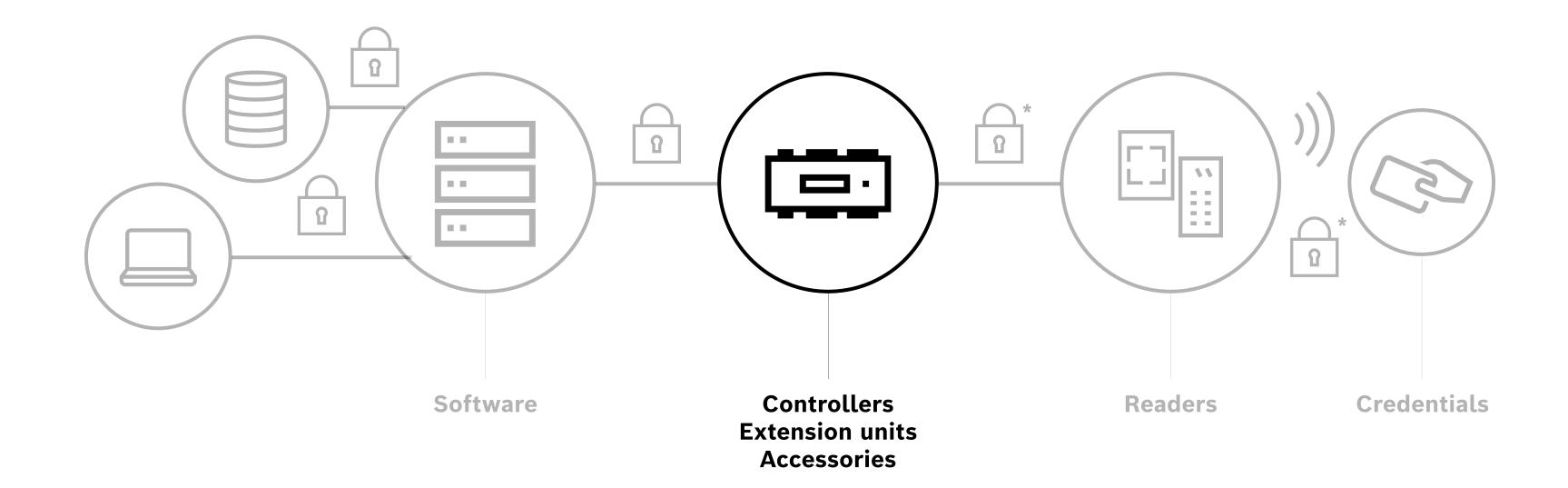












\* Dependent on technology







Security Level

Low security

High security

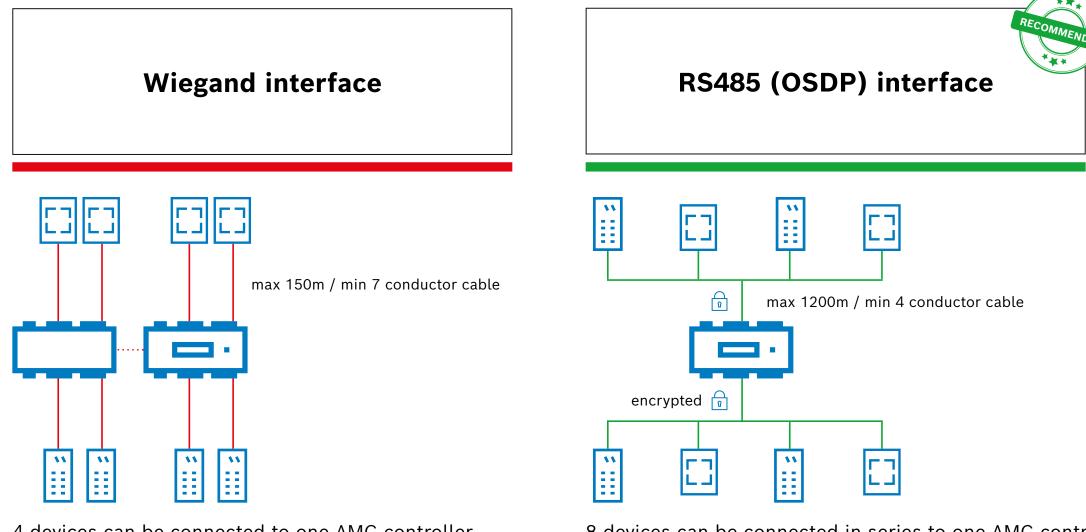
Moderate security

Supported Reader technology

PREVIOUS

# **Controllers choice**

Choose the reader technology you want to use. Please beware about the difference in security!



4 devices can be connected to one AMC controller.

(8 with Bosch AMC Wiegand extension)

#### Defined point to point (one-way) connection

8 devices can be connected in series to one AMC controller.

#### Flexible (bi-directional) connection



# Controllers

Choose your controller(s) based on how many readers do you need to connect (per controller):



Security Level Supported Reader technology

- Low security
- Moderate security
- High security

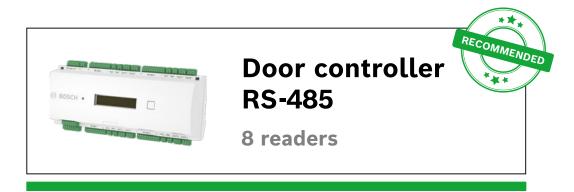






# Controllers

This controller fits your choice of RS-485:



Security Level Supported Reader technology

- Low security
- Moderate security
- High security







### **Extension units**

Choose the Wiegand extention board (max 1) if you like to connect extra readers to the controller, or choose the I/O extension boards (max 3) in case you require extra inputs and outputs to be controlled by the controller or choose the I extention board if you only require extra inputs to be controlled by the controller.





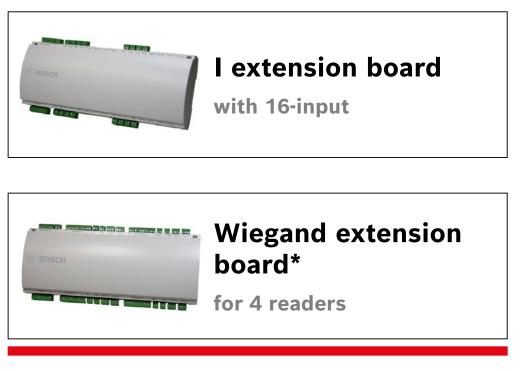


#### I/O extension board

with 16-input & 16-output

#### **Security Level** Supported Reader technology

- Low security
- Moderate security
- High security



\* only applicable for: Door controller Wiegand 4-8 readers





### **Extension units**

Choose the I/O extension boards (max 3) in case you require extra inputs and outputs to be controlled by the controller or choose the I extention board if you only require extra inputs to be controlled by the controller.



#### Security Level Supported Reader technology

- Low security
- Moderate security
- High security



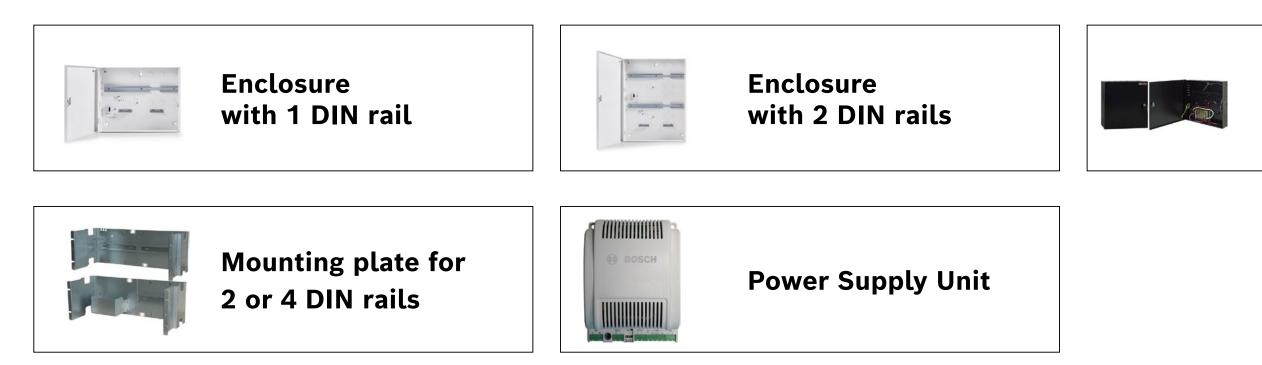






### Accessories

Choose here your housing and powering options for your controllers and extentions:





# Enclosure with power supply & DIN rail

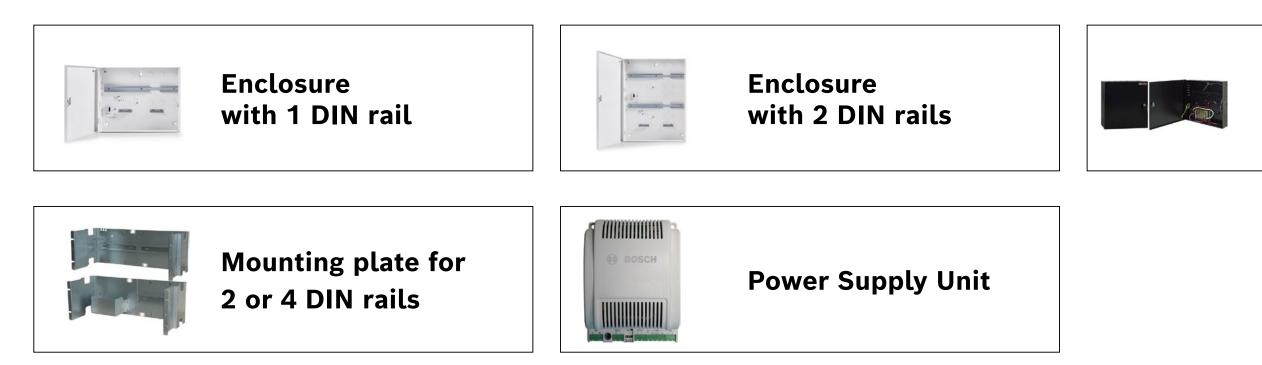






### Accessories

Choose here your housing and powering options for your controllers and extentions:



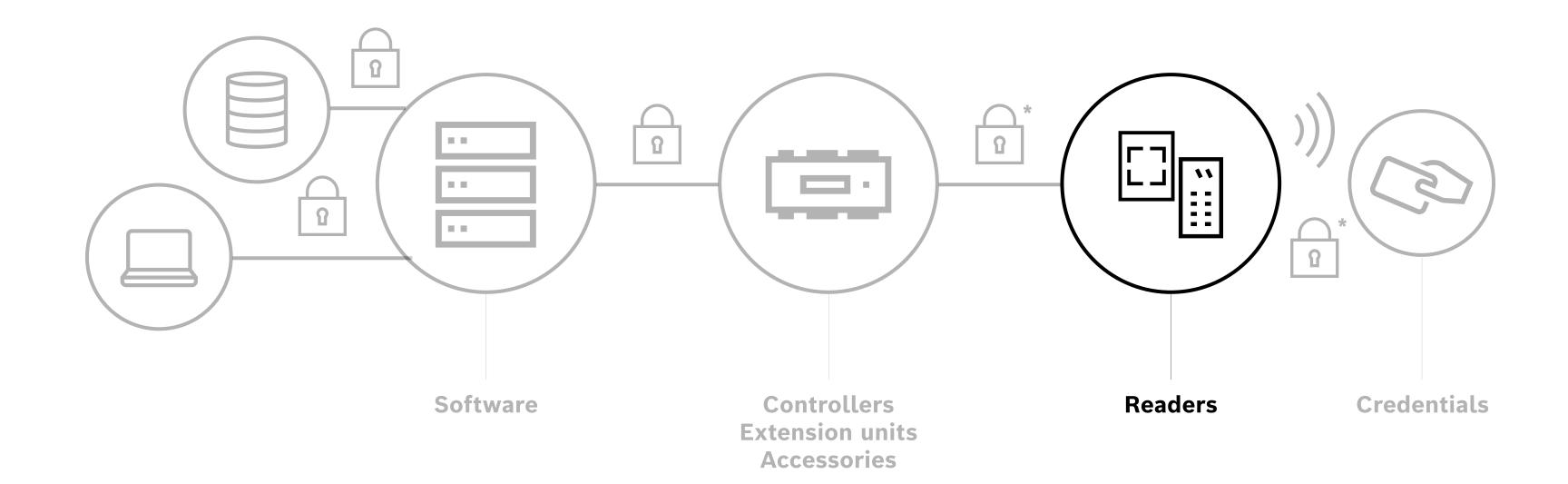


# Enclosure with power supply & DIN rail







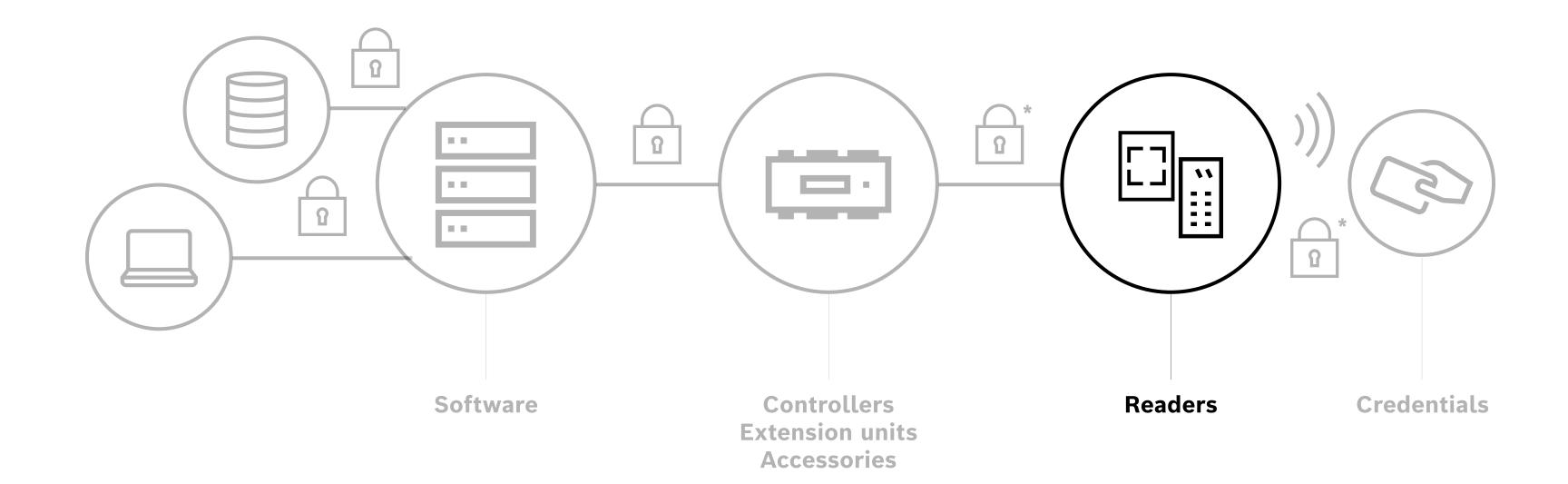


\* Dependent on technology









\* Dependent on technology







## **Wiegand readers**

Besides the controller interface technology (Wiegand / RS485), card readers differentiate in the credential technology that they support.

Here you can choose the available Wiegand readers with the reader technology you want to use:



High security





### **RS485** readers

Besides the controller interface technology (Wiegand / RS485), card readers differentiate in the credential technology that they support.

Here you can choose the available RS485 readers with the reader technology you want to use:



#### Security Level Supported Credential technology

- Low security
- Moderate security
- High security

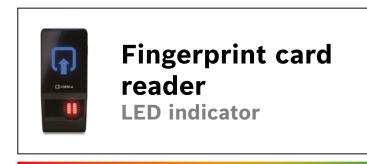






### **Biometric readers**

Here you can find the biometric reader options you can use:





**Fingerprint card** reader

touchscreen



**Contactless 3D** fingerprint card reader

#### Security Level Supported Credential technology

Low security

Moderate security

High security



**PREVIOUS WIEGAND** 





### Facial recognition card reader



**PREVIOUS RS485** 





### **Integrated solutions**

Our access software is able to connect to non-Bosch readers and other hardware using the open OSDP protocol on RS-485 bus. Our latest enhancements allow integration of an increasing number of third party applications with our access control system, examples ranging from biometrical readers, mobile access, signature readers to wireless online locking systems.

If you are interesting in using third party solutions, please check out the possibilities on our website.





THIRD PARTY INTEGRATIONS WEBPAGE





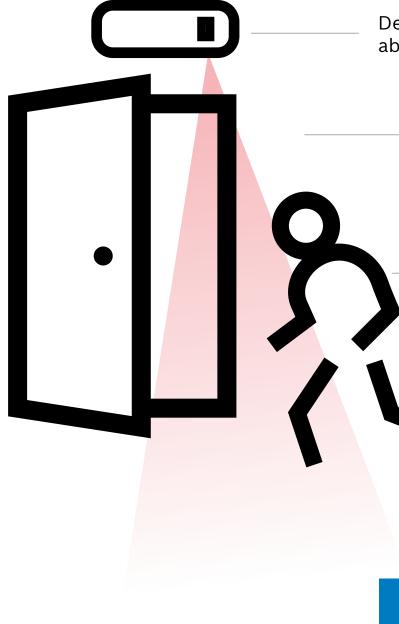




## **Request-to-exit**

Would you like to use request-to-exit detectors?







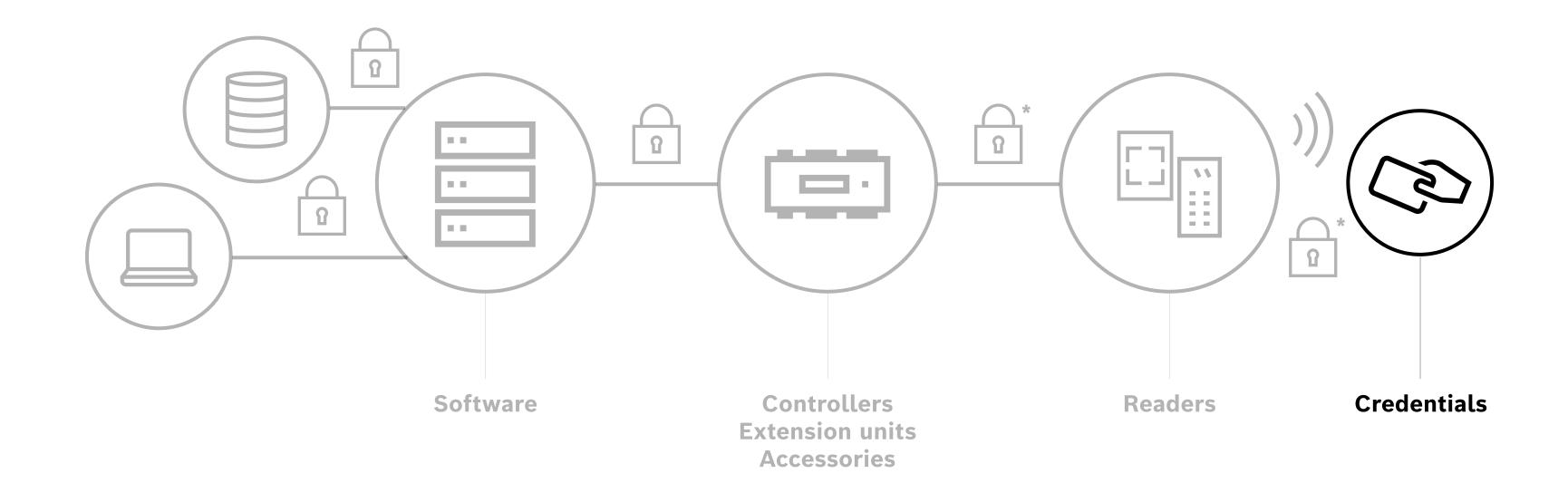
Detector is mounted at a wall above the door or on the ceiling

Adjustable lens for precise detection zone; "lookdown" or pointing at handle

Automatically unlock door when detect person walking close towards door







\* Dependent on technology







# **Credentials overview**

Access credentials can take many forms, like access cards, keycodes and biometric attributes and differentiate also in the <u>credential technology</u> that they support.

Choose the credential technology you want to use:



#### Security Level **Credential technology**

- Low security
- Moderate security
- High security







# **HIDprox credentials**

Here you can find the HIDprox credential options you can use:

HIDprox	HIDprox
card	clamshell card

### Security Level Credential technology

Low security

Moderate security

High security





## **EM credentials**

Here you can find the EM credential options you can use:





Low security

Moderate security

High security





# iCLASS credentials

Here you can find the iCLASS credential options you can use:



### Security Level Credential technology

Low security

Moderate security

High security





# **MIFARE credentials**

Here you can find the MIFARE credential options you can use:



#### Security Level

#### Credential technology

#### Low security

Moderate security

High security







### **Seos credentials**

Here you can find the Seos credential options you can use:







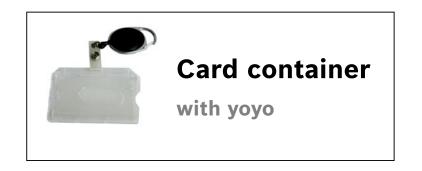






## **Card container**

Would you like to use a card container?



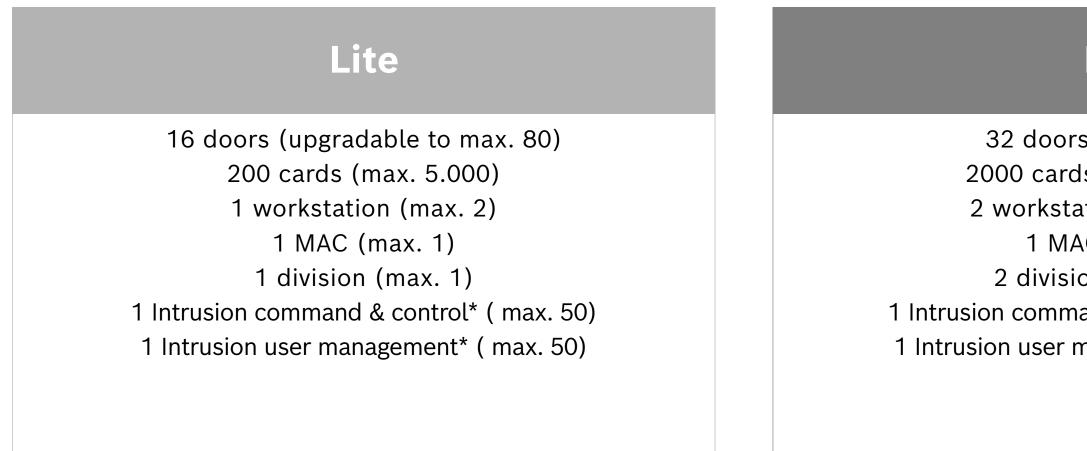




**BOSCH** 

# Access Management System

The Access Management System from Bosch is a flexible access management system for medium- to large-sized organizations. It is easy to operate and expand. Nevertheless, it is extremely stable, offering very high reliability, security and several features found only in high-end security solutions.



\*Applies to the B and G series intrusion alarm system: same license for command & control and user management

#### MORE INFORMATION

#### **PRODUCT CATALOG PAGE**

#### CLOSE

### Plus

32 doors (max. 10.000) 2000 cards (max. 400.000) 2 workstations (max. 200) 1 MAC (max. 40) 2 divisions (max. 200) 1 Intrusion command & control \*( max. 80) 1 Intrusion user management\* ( max. 500)



## **Visitor Management**

Bosch Visitor Management, our browser-based visitor management software, offers you all the benefits for enhancing the visiting process. Effective visitor management must go beyond meeting and greeting visitors who enter the reception area of any business or public building. It must enhance building security, protect facilities and employees, and improve users' and visitors' overall experience. Bosch's easy-to-use, browser-based visitor management software integrates seamlessly with the Access Management System.

	Login English- 🕒 BOSCH	Dashboard									e	BOSCH	Visitor Management X	Visitor Management > Rodolph	h Uitile - Personal data				
Dashboard Welcome Please enter your visitor ID		Visitor mana	45/90		C Latest 7 F		10/	10% 100		9/10	lock and 10%		Dashboard     R Rudolph Little     Personal data	P	(1) Upload Image	General information Trive Mr.	Senter Victorio Male V TZSPC3M Finitiame Rudolph	Documents           ③ Signed NDA           ③ Signed terms of use	]
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#### MORE INFORMATION

#### **PRODUCT CATALOG PAGE**





## **Integrated solutions**

Our access software can be integrated via API to third party software applications, like video management systems.

If you would like to use third party software solutions, please check out the possibilities on our website.

THIRD PARTY INTEGRATIONS WEBPAGE







# **Door controller Wiegand 2 readers**

APC-AMC2-2WCF



Connectable readers	2
Inputs / Outputs	4/4
Cardholders	400.000
Reader cable length (max.)	110m pe
Reader monitoring	No
Wires per reader (min.)	6 + shiel
Connectable reader extensions	1
Connectable I/O extensions	3
 Mounting	Standard
Reader protocol support	Wiegand
 Standards	CE, UL

#### **PRODUCT CATALOG PAGE**



er port	
d	
d DIN-rail	



# **Door controller Wiegand 4-8 readers**

## APC-AMC2-4WCF



Connectable readers	4
Inputs / Outputs	8 / 8
Cardholders	400.000
Reader cable length (max.)	110m pe
Reader monitoring	no
Wires per reader (min.)	6 + shie
Connectable reader extensions	1
Connectable I/O extensions	3
Mounting	Standar
Reader protocol support	Wieganc
Standards	CE, UL

#### **PRODUCT CATALOG PAGE**



er port	
d	
d DIN-rail	



## **Door controller RS-485 8 readers** APC-AMC2-4R4CF



Connectable readers	8
 Inputs / Outputs	8 / 8
Cardholders	400.000
Reader cable length (max.)	1200m p
Reader monitoring	yes
Wires per reader (min.)	4 + shiel
Connectable reader extensions	_
Connectable I/O extensions	3
Mounting	Standard
Reader protocol support	OSDP, L
 Standards	CE, UL, '

#### PRODUCT CATALOG PAGE



00
n per Bus
ield
ard DIN-rail
, LBUS, MICOS, BG900

L, VDS



## I/O extension board with 8-input & 8-output API-AMC2-8IOE



Connectable readers	_
Inputs / Outputs	8 / 8
Mounting	Standa
Dimensions (H x W x D)	90 x 23

#### **PRODUCT CATALOG PAGE**



ard DIN-rail



## I/O extension board with 16-input & 16-output API-AMC2-16IOE



_	Connectable readers	-
	Inputs / Outputs	16 / 16
	Mounting	Standard
	Dimensions (H x W x D)	90 x 232

#### **PRODUCT CATALOG PAGE**



#### ard DIN-rail



## **I extension board with 16-input** API-AMC2-16IE



Connectable readers –	
Inputs / Outputs 16	6/0
Mounting St	anda
Dimensions (H x W x D) 90	) x 23

#### PRODUCT CATALOG PAGE



ard DIN-rail



## Wiegand extension board for 4 readers

API-AMC2-4WE



Connectable readers	4
Inputs / Outputs	8 / 8
Mounting	Standa
Dimensions (H x W x D)	90 x 23

**PRODUCT CATALOG PAGE** 



ard DIN-rail



# Enclosure with 1 DIN rail

AEC-AMC2-UL01



Material description	Steel er
DIN rails inside	1 DIN ra 1 exten
Mounting	Wall mo
Dimensions (H x W x D)	323 × 4

#### PRODUCT CATALOG PAGE

CLOSE

enclosure

rail system for easy mounting of 1 AMC2 or nsion board, 1 power supply and 2 batteries

nount

411 × 88 (12.7 × 16.2 × 3.5 in.)



## **Enclosure with 2 DIN rails**

AEC-AMC2-UL02



Material description	Steel er
DIN rails inside	2 DIN ra 2 exten
Mounting	Wall mo
Dimensions (H x W x D)	541 × 4

PRODUCT CATALOG PAGE

CLOSE

enclosure

rail system for easy mounting of 2 AMC2 or nsion board, 1 power supply unit and 2 batteries

nount

411 × 88 mm (21.3 × 16.2 × 3.5 in.)



# Enclosure with power supply & DIN rail

AEC-AMC2-ENC3



Material description	Steel e
DIN rails inside	1 DIN r 1 exten
Mounting	Wall m
Dimensions (H x W x D)	400 × 4

#### Built-in power supply specifications:

Material description	Powers
Voltage input range	100 VA
Voltage output	13VDC
Protection for	Short o
Signaling for	No sigr

#### **PRODUCT CATALOG PAGE**

CLOSE

enclosure with preassembled cabling

rail system for easy mounting of 1 AMC2 or nsion board and 1 power supply unit

nount

400 × 94 mm (15.75 x 15.75 x 3.7 in.)

rsupply with integrated battery charging unit (7 AH)

AC to 240 VAC

C (2,5Amp) delivering 55W

circuit, overvoltage and overload protection

gnaling



## Mounting plate for 2 or 4 DIN rails

AEC-PANEL19-UPS/AEC-PANEL19-4DR



Material description	Fitting p
DIN rails inside	2 or 4 D
Mounting	Wall mo
Dimensions (H x W x D)	232 x 9

#### PRODUCT CATALOG PAGE



panel for rail mounting

DIN rail system for easy mounting

ount

90 x 63 mm (9.13 x 3.54 x 2.48 in.)



## **Power Supply Unit**

APS-PSU-60



_	Material description	Powers
	Voltage input range	100 VA
	Voltage output	12V (5A
	Protection for	Short c
_	Signaling for	AC-OK,

#### PRODUCT CATALOG PAGE



rsupply with integrated battery charging unit (14 AH)

AC to 240 VAC

5Amp) or 24V DC (2,5 Amp) delivering 60VA

circuit, temperature and overload protection

K, DC-OK, BAT-OK and battery operation

## **Card Readers HIDprox**



#### Security Level Supported Credential technology

- Low security
- Moderate security
- High security

Product name	Card Reader, HIDprox, mullion
Commercial type number (CTN)	ARD-MINIPROX
Supported protocol	Wiegand
Panel connection	Pigtail
Mounting	Surface mount
Supported Credential technology	HIDprox
Environment class	IP55
Maximum reading distance	13 cm (5.12 in.)
Dimensions (H x W x D)	152 x 43 x 25,4 mm (5.98 x 1.69 x 1 in.)

#### PRODUCT CATALOG PAGE

HIDprox, EM, mullion HIDprox, EM, mini mullion



## **Card Readers HIDprox**



#### Security Level Supported Credential technology

Low security

Moderate security

High security

Product name	Card Reader, EM, mini mullion
Commercial type number (CTN)	ARD-PROX-PPL
Supported protocol	Wiegand
Panel connection	Pigtail
Mounting	Surface mount
Supported Credential technology	HIDprox
Environment class	IP55
Maximum reading distance	6 cm (2.36 in.)
Dimensions (H x W x D)	79,6 x 44 x 17 mm (3.13 x 1.73 x 0.67 in.)

HIDprox, EM, mullion HIDprox, EM, mini mullion

#### PRODUCT CATALOG PAGE

## CLOSE

#### BOSCH (H)

## **Card Readers HIDprox**



#### **Security Level** Supported Credential technology

Low security

Moderate security

High security

#### **Product name** Standa Commercial type number (CTN) ARD-EN Supported protocol Wiegan Panel connection Termina Surface Mounting Supported Credential technology HIDpro Environment class IP55 Maximum reading distance 6 cm (2 Dimensions $(H \times W \times D)$

HIDprox, EM, mullion HIDprox, EM, mini mullion

#### **PRODUCT CATALOG PAGE**



alone device, HIDprox
NTRYPROX
nd
al strip
e mount
x
2.36 in.)

133 x 70 x 35 mm (5.23 x 2.76 x 1.38 in.)

## **Card Readers HIDprox**



#### Security Level Supported Credential technology

- Low security
- Moderate security
- High security

Product name	Card Reader, HIDprox, mullion
Commercial type number (CTN)	ARD-MINIPROX
Supported protocol	Wiegand
Panel connection	Pigtail
Mounting	Surface mount
Supported Credential technology	HIDprox
Environment class	IP55
Maximum reading distance	13 cm (5.12 in.)
Dimensions (H x W x D)	152 x 43 x 25,4 mm (5.98 x 1.69 x 1 in.)

#### PRODUCT CATALOG PAGE

HIDprox, EM, mullion HIDprox, EM, mini mullion



## **Card Readers HIDprox**



#### Security Level Supported Credential technology

Low security

Moderate security

High security

Product name	Card Reader, EM, mini mullion
Commercial type number (CTN)	ARD-PROX-PPL
Supported protocol	Wiegand
Panel connection	Pigtail
Mounting	Surface mount
Supported Credential technology	HIDprox
Environment class	IP55
Maximum reading distance	6 cm (2.36 in.)
Dimensions (H x W x D)	79,6 x 44 x 17 mm (3.13 x 1.73 x 0.67 in.)

HIDprox, EM, mullion HIDprox, EM, mini mullion

#### PRODUCT CATALOG PAGE

## CLOSE

#### BOSCH (H)

## **Card Readers HIDprox**



#### **Security Level** Supported Credential technology

Low security

Moderate security

High security

#### **Product name** Standa Commercial type number (CTN) ARD-EN Supported protocol Wiegan Panel connection Termina Surface Mounting Supported Credential technology HIDpro Environment class IP55 Maximum reading distance 6 cm (2 Dimensions $(H \times W \times D)$

HIDprox, EM, mullion HIDprox, EM, mini mullion

#### **PRODUCT CATALOG PAGE**



alone device, HIDprox
NTRYPROX
nd
al strip
e mount
x
2.36 in.)

133 x 70 x 35 mm (5.23 x 2.76 x 1.38 in.)



## **Card Readers EM**



Product name	Card Reader, EM, mini mullion
Commercial type number (CTN)	ARD-AYK12
Supported protocol	Wiegand
Panel connection	Pigtail
Mounting	Surface mount
Supported Credential technology	EM4102
Environment class	IP55
Maximum reading distance	8 cm (3.15 in.)
Dimensions (H x W x D)	80 x 40 x 13 mm (1.38 x 1.58 x 0.51 in.)

#### Security Level Supported Credential technology

Low security

Moderate security

High security

#### PRODUCT CATALOG PAGE







#### Security Level Supported Credential technology

- Low security
- Moderate security
- High security

Product name	LECTU
Commercial type number (CTN)	ARD-SI
Supported protocol	Wiegan
Key pad	No
Panel connection	Termin
Mounting	Surface
Supported Credential technology	iCLASS
Environment class	IP65
Maximum reading distance	10 cm
 Dimensions (H x W x D)	121,5 >

LECTUS secure

3000 IC

**LECTUS Secure** 

**1000 IC** 

#### PRODUCT CATALOG PAGE



S secure 1000 IC
GR20-ICL
d
al
e mount
S, iCLASS SE, Seos
x 45 x 19,5 mm

LECTUS secure 4000 IC



## Smart Card Readers iCLASS/Seos



#### Security Level Supported Credential technology

- Low security
- Moderate security
- High security

ARD-SIG
Wieganc
Yes
Termina
Termina Surface
Surface
Surface iCLASS,
Yes

**LECTUS Secure** 

3000 IC

LECTUS Secure

1000 IC

#### **PRODUCT CATALOG PAGE**



US secure 3000 IC
SIGR20K-ICL
nd
nal
ce mount
SS, iCLASS SE, Seos
x 45 x 19,5 mm

LECTUS Secure 4000 IC



## Smart Card Readers iCLASS/Seos



#### Security Level Supported Credential technology

- Low security
- Moderate security
- High security

_	Product name	LECTUS
_	Commercial type number (CTN)	ARD-SIG
_	Supported protocol	Wiegand
	Key pad	No
_	Panel connection	Terminal
	Mounting	Surface
_		
_	Supported Credential technology	iCLASS,
_	Supported Credential technology Environment class	iCLASS, IP65
_		
_	Environment class	IP65

LECTUS Secure

3000 IC

LECTUS Secure

1000 IC

#### **PRODUCT CATALOG PAGE**



US secure 4000 IC
SIGR40-ICL
Ind
nal
ce mount
SS, iCLASS SE, Seos
1
x 80 x 19,5 mm

LECTUS Secure 4000 IC



## Smart Card Readers iCLASS/Seos



#### Security Level Supported Credential technology

- Low security
- Moderate security
- High security

Product name	LECTUS
Commercial type number (CTN)	ARD-SIG
Supported protocol	Wiegand
Key pad	Yes
Panel connection	Termina
Mounting	Surface
Supported Credential technology	iCLASS,
Environment class	IP65
Maximum reading distance	10 cm
Dimensions (H x W x D)	121,5 x

# LECTUS SecureLECTUS Secure1000 IC3000 IC

#### **PRODUCT CATALOG PAGE**



US secure 5000 IC		
SIGR40K-ICL		
and		
nal		
ce mount		
S, iCLASS SE, Seos		
۱		
x 80 x 19,5 mm		

LECTUS Secure 4000 IC





#### Security Level Supported Credential technology

- Low security
- Moderate security
- High security

_	Product name	LECTU
	Commercial type number (CTN)	ARD-SI
	Supported protocol	Wiegano
	Key pad	No
	Panel connection	Termina
_	Mounting	Surface
	Supported Credential technology	iCLASS
_	Environment class	IP65
_	Maximum reading distance	10 cm
_	Dimensions (H x W x D)	121,5 x

LECTUS Secure

3000 I

**LECTUS Secure** 

**1000 IC** 

#### PRODUCT CATALOG PAGE



S secure 1000 IC
GR20-ICL
d
al
e mount
5, iCLASS SE, Seos
x 45 x 19,5 mm

LECTUS Secure 4000 IC



## Smart Card Readers iCLASS/Seos



### Security Level Supported Credential technology Low security

- Moderate security
- High security

_	Product name	LECTU
	Commercial type number (CTN)	ARD-SI
	Supported protocol	Wiegan
	Key pad	Yes
_	Panel connection	Termina
	Mounting	Curfood
	Mounting	Surface
_	Supported Credential technology	iCLASS
_		
_	Supported Credential technology	iCLASS
_	<u>Supported Credential technology</u> Environment class	iclass IP65

# LECTUS SecureLECTUS Secure1000 IC3000 IC

#### **PRODUCT CATALOG PAGE**



S secure 3000 IC	
GR20K-ICL	
d	
al	
e mount	
S, iCLASS SE, Seos	
x 45 x 19,5 mm	

LECTUS Secure 4000 IC



## Smart Card Readers iCLASS/Seos



#### Security Level Supported Credential technology

- Low security
- Moderate security
- High security

Product name	LECTU
Commercial type number (CTN)	ARD-SI
Supported protocol	Wiegan
Key pad	No
Panel connection	Termina
Mounting	Surface
Supported Credential technology	iCLASS
Supported Credential technology	iCLASS
Supported Credential technology Environment class	iclass IP65

# LECTUS SecureLECTUS Secure1000 IC3000 IC

#### PRODUCT CATALOG PAGE



S secure 4000 IC
GR40-ICL
ld
al
e mount
S, iCLASS SE, Seos
x 80 x 19,5 mm

LECTUS Secure 4000 IC



## Smart Card Readers iCLASS/Seos



#### Security Level Supported Credential technology

- Low security
- Moderate security
- High security

_	Product name	LECTU
	Commercial type number (CTN)	ARD-SI
	Supported protocol	Wiegan
	Key pad	Yes
	Panel connection	Termina
_	Mounting	Surface
	Supported Credential technology	iCLASS
_	Environment class	IP65
_	Maximum reading distance	10 cm
	Dimensions (H x W x D)	121,5 x

# LECTUS SecureLECTUS Secure1000 IC3000 IC

#### **PRODUCT CATALOG PAGE**



JS secure 5000 IC
IGR40K-ICL
nd
nal
e mount
S, iCLASS SE, Seos
x 80 x 19,5 mm

LECTUS Secure 4000 IC



## Smart Card Readers MIFARE



Security Level Supported Credential technology

- Low security
- Moderate security
- High security

Product name	LECTU
Commercial type number (CTN)	ARD-A
Supported protocol	Wiegar
Key pad	Νο
Panel connection	Termin
Mounting	Surface
Supported Credential technology	ISO144
Environment class	IP65
Maximum reading distance	3 cm (
Dimensions (H x W x D)	

### LECTUS Duo 3000 C

LECTUS Duo 3000 CK

#### PRODUCT CATALOG PAGE

	CLOSE
JS duo 3000 C	
YBS6260	
nd, OSDPv1	
al strip	
e mount	
443A CSN, MIFARE Classio	2
1.18 in.)	
14 x 27,5 mm (5.39 x 1.73	x 1.08 in.)

LECTUS Duo 3000 E



## Smart Card Readers MIFARE



Security Level
Supported Credential technology

- Low security
- Moderate security
- High security

Product name	LECTU
Commercial type number (CTN)	ARD-A
Supported protocol	Wiegar
Key pad	Yes
Panel connection	Termin
Mounting	Surface
Supported Credential technology	ISO144
Environment class	IP65
Maximum reading distance	3 cm (
Dimensions (H x W x D)	137 x 4

LECTUS Duo 3000 C LECTUS Duo 3000 CK

#### PRODUCT CATALOG PAGE

	CLOSE
JS duo 3000 CK	
YBS6360	
nd, OSDPv1	
nal strip	
e mount	
443A CSN, MIFARE Classie	2
1.18 in.)	
44 x 27,5 mm (5.39 x 1.73	x 1.08 in.)

LECTUS Duo 3000 E



## Smart Card Readers MIFARE



Security Level Supported Credential technology

- Low security
- Moderate security
- High security

Product name	LECTU
Commercial type number (CTN)	ARD-A
Supported protocol	Wiegar
Key pad	Νο
Panel connection	Termin
Mounting	Surface
Supported Credential technology	ISO144
Environment class	IP65
Maximum reading distance	3 cm (
Dimensions (H x W x D)	137 x 4

LECTUS Duo

3000 CK

LECTUS Duo

3000 C

#### **PRODUCT CATALOG PAGE**

	CLOSE
US duo 3000 E	
YBS6280	
nd, OSDPv1	
nal strip	
ce mount	
443A CSN, MIFARE Classic, I	MIFARE DESFire EV1 & EV3
(1.18 in.)	
44 x 27,5 mm (5.39 x 1.73	x 1.08 in.)

LECTUS Duo 3000 E



## Smart Card Readers MIFARE



#### Security Level Supported Credential technology

- Low security
- Moderate security
- High security

ARD-A
Niegar
ſes
Fermin
Surface
SO144
<b>SO144</b> P65

LECTUS Duo

3000 CK

LECTUS Duo

3000 C

#### PRODUCT CATALOG PAGE

	CLOSE
US duo 3000 EK	
YBS6380	
nd, OSDPv1	
nal strip	
ce mount	
443A CSN, MIFARE Classic,	MIFARE DESFire EV1 & EV3
(1.18 in.)	
44 x 27,5 mm (5.39 x 1.73	x 1.08 in.)

LECTUS Duo 3000 E



## Smart Card Readers MIFARE



Security Level Supported Credential technology

- Low security
- Moderate security
- High security

Product name	LECTU
Commercial type number (CTN)	ARD-A
Supported protocol	Wiegar
Key pad	No
Panel connection	Termin
Mounting	Surface
Supported Credential technology	ISO144
Environment class	IP65
Maximum reading distance	3 cm (
Dimensions (H x W x D)	137 x 4

### LECTUS Duo 3000 C

LECTUS Duo 3000 CK

#### PRODUCT CATALOG PAGE

	CLOSE
JS duo 3000 C	
YBS6260	
nd, OSDPv1	
al strip	
e mount	
443A CSN, MIFARE Classio	3
1.18 in.)	
44 x 27,5 mm (5.39 x 1.73 x 1.08 in.)	

LECTUS Duo 3000 E



## Smart Card Readers MIFARE



Security Level	
Supported Credential technology	

- Low security
- Moderate security
- High security

Product name	LECTU
Commercial type number (CTN)	ARD-A
Supported protocol	Wiegar
Key pad	Yes
Panel connection	Termin
Mounting	Surface
Supported Credential technology	ISO144
Environment class	IP65
Maximum reading distance	3 cm (
Dimensions (H x W x D)	137 x 4

LECTUS Duo 3000 C LECTUS Duo 3000 CK

#### PRODUCT CATALOG PAGE

	CLOSE
JS duo 3000 CK	
YBS6360	
nd, OSDPv1	
nal strip	
e mount	
443A CSN, MIFARE Classio	2
1.18 in.)	
44 x 27,5 mm (5.39 x 1.73 x 1.08 in.)	

LECTUS Duo 3000 E



## Smart Card Readers MIFARE



Security Level Supported Credential technology

- Low security
- Moderate security
- High security

Product name	LECTU
Commercial type number (CTN)	ARD-A
Supported protocol	Wiegar
Key pad	Νο
Panel connection	Termin
Mounting	Surface
Supported Credential technology	ISO144
Environment class	IP65
Maximum reading distance	3 cm (

LECTUS Duo

3000 CK

LECTUS Duo

3000 C

#### **PRODUCT CATALOG PAGE**

	CLOSE
US duo 3000 E	
YBS6280	
nd, OSDPv1	
nal strip	
ce mount	
443A CSN, MIFARE Classic, I	MIFARE DESFire EV1 & EV3
(1.18 in.)	
44 x 27,5 mm (5.39 x 1.73	x 1.08 in.)

LECTUS Duo 3000 E



## Smart Card Readers MIFARE



#### Security Level Supported Credential technology

- Low security
- Moderate security
- High security

ARD-A
Niegar
ſes
Fermin
Surface
SO144
<b>SO144</b> P65

LECTUS Duo

3000 CK

LECTUS Duo

3000 C

#### PRODUCT CATALOG PAGE

	CLOSE
US duo 3000 EK	
YBS6380	
nd, OSDPv1	
nal strip	
ce mount	
443A CSN, MIFARE Classic,	MIFARE DESFire EV1 & EV3
(1.18 in.)	
44 x 27,5 mm (5.39 x 1.73	x 1.08 in.)

LECTUS Duo 3000 E



### Smart Card Readers MIFARE



Security Level Supported Credential technology

- Low security
- Moderate security
- High security

Product name	LECTU
Commercial type number (CTN)	ARD-A
Supported protocol	Wiegar
Key pad	Νο
Panel connection	Termin
Mounting	Surface
Supported Credential technology	ISO144
Environment class	IP65
Maximum reading distance	3 cm (
Dimensions (H x W x D)	137 x 4

### LECTUS Duo 3000 C

LECTUS Duo 3000 CK

#### PRODUCT CATALOG PAGE

	CLOSE
JS duo 3000 C	
YBS6260	
nd, OSDPv1	
al strip	
e mount	
443A CSN, MIFARE Classio	C
1.18 in.)	
44 x 27,5 mm (5.39 x 1.73	x 1.08 in.)

LECTUS Duo 3000 E



### Smart Card Readers MIFARE



Security Level
Supported Credential technology

- Low security
- Moderate security
- High security

Product name	LECTU
Commercial type number (CTN)	ARD-A
Supported protocol	Wiegar
Key pad	Yes
Panel connection	Termin
Mounting	Surface
Supported Credential technology	ISO144
Environment class	IP65
Maximum reading distance	3 cm (
Dimensions (H x W x D)	137 x 4

LECTUS Duo 3000 C LECTUS Duo 3000 CK

#### PRODUCT CATALOG PAGE

	CLOSE
JS duo 3000 CK	
YBS6360	
nd, OSDPv1	
nal strip	
e mount	
443A CSN, MIFARE Classie	2
1.18 in.)	
44 x 27,5 mm (5.39 x 1.73	x 1.08 in.)

LECTUS Duo 3000 E



### Smart Card Readers MIFARE



Security Level Supported Credential technology

- Low security
- Moderate security
- High security

Product name	LECTU
Commercial type number (CTN)	ARD-A
Supported protocol	Wiegar
Key pad	Νο
Panel connection	Termin
Mounting	Surface
Supported Credential technology	ISO144
Environment class	IP65
Maximum reading distance	3 cm (
Dimensions (H x W x D)	137 x 4

LECTUS Duo

3000 CK

LECTUS Duo

3000 C

#### **PRODUCT CATALOG PAGE**

	CLOSE
US duo 3000 E	
YBS6280	
nd, OSDPv1	
nal strip	
ce mount	
443A CSN, MIFARE Classic, I	MIFARE DESFire EV1 & EV3
(1.18 in.)	
44 x 27,5 mm (5.39 x 1.73	x 1.08 in.)

LECTUS Duo 3000 E



## Smart Card Readers MIFARE



#### Security Level Supported Credential technology

- Low security
- Moderate security
- High security

ARD-A
Niegar
ſes
Fermin
Surface
SO144
<b>SO144</b> P65

LECTUS Duo

3000 CK

LECTUS Duo

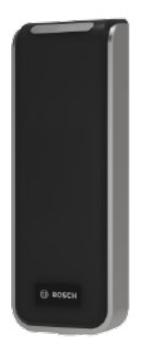
3000 C

#### PRODUCT CATALOG PAGE

	CLOSE
US duo 3000 EK	
YBS6380	
nd, OSDPv1	
nal strip	
ce mount	
443A CSN, MIFARE Classic,	MIFARE DESFire EV1 & EV3
(1.18 in.)	
44 x 27,5 mm (5.39 x 1.73	x 1.08 in.)

LECTUS Duo 3000 E

## Smart Card Readers Seos



#### Security Level

**Supported Credential technology** 

#### Low security

Moderate security

High security

Product name	LECTU
Commercial type number (CTN)	ARD-SI
Supported protocol	Wiegan
Key pad	No
Panel connection	Termin
Mounting	Surface
Supported Credential technology	Seos
Environment class	IP55
Maximum reading distance	10 cm
Dimensions (H x W x D)	121,5 >

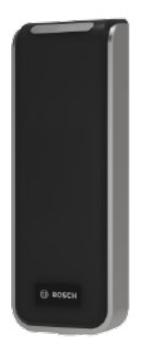
#### PRODUCT CATALOG PAGE



JS secure 1000 SO	
IGR20-SEO	
nd	
al	
e mount	

x 45 x 19,5 mm

## Smart Card Readers Seos



#### Security Level

**Supported Credential technology** 

#### Low security

Moderate security

High security

Product name	LECTU
Commercial type number (CTN)	ARD-SI
Supported protocol	Wiegan
Key pad	No
Panel connection	Termin
Mounting	Surface
Supported Credential technology	Seos
Environment class	IP55
Maximum reading distance	10 cm
Dimensions (H x W x D)	121,5 >

#### PRODUCT CATALOG PAGE



JS secure 1000 SO	
IGR20-SEO	
nd	
al	
e mount	

x 45 x 19,5 mm



## Smart Card Readers MIFARE/LEGIC\*



\* Check regional availability!

#### Security Level Supported Credential technology

- Low security
- Moderate security
- High security

Product name	LECTUS Select (black, with	keypad) 🔳	LECTUS Se	elect (black, with keypad, BLE) 📕
Commercial type number (CTN)	ARD-SELECT-BOK*		ARD-SELECT-BOKM*	
Supported protocol	OSDPv2 SC		OSDPv2 S	С
Key pad	Yes		Yes	
Panel connection	Terminal strip		Terminal s	trip
Mounting	-			nt / Surface mount mount panel)
Supported Credential technology	MIFARE DESFire EV1, EV2 & LEGIC advant	EV3,		ESFire EV1, EV2 & EV3, vent, Mobile Credential
Environment class	IP54		IP54	
Maximum reading distance	7,6 cm (2.99 in.)		7,6 cm (2.	99 in.)
Dimensions (H x W x D)	88 x 99 x 27 mm (3.46 x 3,9 x	1.06 in.)	88 x 99 x 2	27 mm (3.46 x 3,9 x 1.06 in.)
Wireless technology standard	Not available		BLUETOO1	<u>[H®</u>
LECTUS Select	LECTUS Select	LECTUS S	Select	LECTUS Select
(black, with keypad)	(black)	(white, with	keypad)	(white)

#### **PRODUCT CATALOG PAGE**

#### CLOSE



## Smart Card Readers MIFARE/LEGIC\*



\* Check regional availability!

#### Security Level Supported Credential technology

- Low security
- Moderate security
- High security

Product name	LECTUS Select (black)		LECTUS	Select (black, BLE)
Commercial type number (CTN)	ARD-SELECT-BO*	ARD-SELECT-BO*		ECT-BOM*
Supported protocol	OSDPv2 SC		OSDPv2 S	SC
Key pad	Νο		No	
Panel connection	Terminal strip		Terminal s	strip
Mounting			Flush mount / Surface mount (optional <u>mount panel</u> )	
Supported Credential technology	MIFARE DESFire EV1, EV2 & LEGIC advant	EV3,		DESFire EV1, EV2 & EV3, vent, Mobile Credential
Environment class	IP54		IP54	
Maximum reading distance	7,6 cm (2.99 in.)		7,6 cm (2	.99 in.)
Dimensions (H x W x D)	88 x 99 x 27 mm (3.46 x 3,9 x	: 1.06 in.)	88 x 99 x	27 mm (3.46 x 3,9 x 1.06 in.)
Wireless technology standard	Not available		BLUETOO	<u>TH®</u>
LECTUS Select	LECTUS Select	LECTUS S	elect	LECTUS Select
(black, with keypad)	(black)	(white, with k	eypad)	(white)

#### PRODUCT CATALOG PAGE





## Smart Card Readers MIFARE/LEGIC\*



\* Check regional availability!

#### Security Level Supported Credential technology

- Low security
- Moderate security
- High security

Product name	LECTUS Select (white, with	h keypad) 🔳	LECTUS	Select (white, with keypad, BLE)
Commercial type number (CTN)	ARD-SELECT-WOK*		ARD-SEL	ECT-WOKM*
Supported protocol	OSDPv2 SC		OSDPv2	SC
Key pad	Yes		Yes	
Panel connection	Terminal strip		Terminal	strip
Mounting	Flush mount / Surface mount (optional <u>mount panel</u> )	-		ount / Surface mount . <u>mount panel</u> )
Supported Credential technology	MIFARE DESFire EV1, EV2 & EV3, LEGIC advant		MIFARE DESFire EV1, EV2 & EV3, LEGIC advent, Mobile Credential	
Environment class	IP54		IP54	
Maximum reading distance	7,6 cm (2.99 in.)		7,6 cm (2	2.99 in.)
Dimensions (H x W x D)	88 x 99 x 27 mm (3.46 x 3,9 >	( 1.06 in.)	88 x 99 x	27 mm (3.46 x 3,9 x 1.06 in.)
Wireless technology standard	Not available		BLUETOC	OTH®
LECTUS Select	LECTUS Select	LECTUS S	elect	LECTUS Select
(black, with keypad)	(black)	(white, with	keypad)	(white)

#### **PRODUCT CATALOG PAGE**

#### CLOSE



## Smart Card Readers MIFARE/LEGIC\*



\* Check regional availability!

#### Security Level Supported Credential technology

- Low security
- Moderate security
- High security

Product name	LECTUS Select (white)		LECTUS S	Select (white, BLE)	
Commercial type number (CTN)	mercial type number (CTN) ARD-SELECT-WO* ARD-SELECT-WOM*		ECT-WOM*		
Supported protocol	OSDPv2 SC		OSDPv2 S	SC	
Key pad	Νο		Νο		
Panel connection	Terminal strip		Terminal s	strip	
Mounting	•		Flush mount / Surface mount (optional <u>mount panel</u> )		
Supported Credential technology	MIFARE DESFire EV1, EV2 & LEGIC advant	EV3,		DESFire EV1, EV2 & EV3, vent, Mobile Credential	
Environment class	IP54		IP54		
Maximum reading distance	7,6 cm (2.99 in.)		aximum reading distance 7,6 cm (2.99 in.) 7,6 cm (2.99 in.)		.99 in.)
Dimensions (H x W x D)	88 x 99 x 27 mm (3.46 x 3,9 x	: 1.06 in.)	88 x 99 x 3	27 mm (3.46 x 3,9 x 1.06 in.)	
Wireless technology standard	Not available		BLUETOO	<u>TH®</u>	
LECTUS Select	LECTUS Select	LECTUS S	elect	LECTUS Select	
(black, with keypad)	(black)	(white, with k	eypad)	(white)	

#### PRODUCT CATALOG PAGE





## Smart Card Readers MIFARE/LEGIC\*



\* Check regional availability!

#### Security Level Supported Credential technology

- Low security
- Moderate security
- High security

Product name	LECTUS Select (black, with	keypad) 📕	LECTUS Se	elect (black, with keypad, BLE) 📕
Commercial type number (CTN)	ARD-SELECT-BOK*		ARD-SELECT-BOKM*	
Supported protocol	OSDPv2 SC		OSDPv2 S	С
Key pad	Yes		Yes	
Panel connection	Terminal strip T		Terminal s	trip
Mounting	Flush mount / Surface mount (optional <u>mount panel</u> )			nt / Surface mount <u>mount panel</u> )
Supported Credential technology	MIFARE DESFire EV1, EV2 & I LEGIC advant	EV3,		ESFire EV1, EV2 & EV3, ent, Mobile Credential
Environment class	IP54		IP54	
Maximum reading distance	7,6 cm (2.99 in.)		7,6 cm (2.	99 in.)
Dimensions (H x W x D)	88 x 99 x 27 mm (3.46 x 3,9 x	1.06 in.)	88 x 99 x 2	27 mm (3.46 x 3,9 x 1.06 in.)
Wireless technology standard	Not available		BLUETOOT	<u>[H®</u>
LECTUS Select	LECTUS Select	LECTUS S	elect	LECTUS Select
(black, with keypad)	) (black)	(white, with l	keypad)	(white)

#### **PRODUCT CATALOG PAGE**

#### CLOSE



## Smart Card Readers MIFARE/LEGIC\*



\* Check regional availability!

#### Security Level Supported Credential technology

- Low security
- Moderate security
- High security

Product name	LECTUS Select (black)		LECTUS S	Select (black, BLE)
Commercial type number (CTN)	ARD-SELECT-BO*		ARD-SELECT-BOM*	
Supported protocol	OSDPv2 SC		OSDPv2 S	C
Key pad	Νο		Νο	
Panel connection	Terminal strip		Terminal s	strip
Mounting	Flush mount / Surface mount (optional <u>mount panel</u> )			Int / Surface mount mount panel)
Supported Credential technology	MIFARE DESFire EV1, EV2 & LEGIC advant	EV3,		ESFire EV1, EV2 & EV3, vent, Mobile Credential
Environment class	IP54		IP54	
Maximum reading distance	7,6 cm (2.99 in.)		7,6 cm (2.	.99 in.)
Dimensions (H x W x D)	88 x 99 x 27 mm (3.46 x 3,9 x	1.06 in.)	88 x 99 x 2	27 mm (3.46 x 3,9 x 1.06 in.)
Wireless technology standard	Not available		BLUETOO	<u>TH®</u>
LECTUS Select	LECTUS Select	LECTUS S	elect	LECTUS Select
(black, with keypad)	(black)	(white, with k	(eypad)	(white)

#### PRODUCT CATALOG PAGE





## Smart Card Readers MIFARE/LEGIC\*



\* Check regional availability!

#### Security Level Supported Credential technology

- Low security
- Moderate security
- High security

Product name	LECTUS Select (white, wit	h keypad) 🛛 🗖	LECTUS	Select (white, with keypad, BLE)
Commercial type number (CTN)	ARD-SELECT-WOK*		ARD-SEL	ECT-WOKM*
Supported protocol	OSDPv2 SC		OSDPv2	SC
Key pad	Yes		Yes	
Panel connection	Terminal strip		Terminal	strip
Mounting			Flush mount / Surface mount (optional <u>mount panel</u> )	
Supported Credential technology	MIFARE DESFire EV1, EV2 & EV3, LEGIC advant		MIFARE DESFire EV1, EV2 & EV3, LEGIC advent, Mobile Credential	
Environment class	IP54		IP54	
Maximum reading distance	7,6 cm (2.99 in.)		7,6 cm (2	2.99 in.)
Dimensions (H x W x D)	88 x 99 x 27 mm (3.46 x 3,9 x	x 1.06 in.)	88 x 99 x	27 mm (3.46 x 3,9 x 1.06 in.)
Wireless technology standard	Not available		BLUETOC	DTH <sup>®</sup>
LECTUS Select	LECTUS Select	LECTUS S	Select	LECTUS Select
(black, with keypad)	(black)	(white, with	keypad)	(white)

#### **PRODUCT CATALOG PAGE**

#### CLOSE



## Smart Card Readers MIFARE/LEGIC\*



\* Check regional availability!

#### Security Level Supported Credential technology

- Low security
- Moderate security
- High security

Product name	LECTUS Select (white)		LECTUS	Select (white, BLE)	
Commercial type number (CTN)	ARD-SELECT-WO*		al type number (CTN) ARD-SELECT-WO* ARD-SELECT-WOM*		ECT-WOM*
Supported protocol	OSDPv2 SC		OSDPv2	SC	
Key pad	Νο		No		
Panel connection	Terminal strip		Terminal	strip	
Mounting			Flush mount / Surface mount (optional <u>mount panel</u> )		
Supported Credential technology	MIFARE DESFire EV1, EV2 & EV3, LEGIC advant		MIFARE DESFire EV1, EV2 & EV3, LEGIC advent, Mobile Credential		
Environment class	IP54		IP54		
Maximum reading distance	7,6 cm (2.99 in.)		7,6 cm (2	2.99 in.)	
Dimensions (H x W x D)	88 x 99 x 27 mm (3.46 x 3,9 x	(1.06 in.)	88 x 99 x	27 mm (3.46 x 3,9 x 1.06 in.)	
Wireless technology standard	Not available		BLUETOC	<u>PTH®</u>	
LECTUS Select	LECTUS Select	LECTUS S	elect	LECTUS Select	
(black, with keypad)	(black)	(white, with	(eypad)	(white)	

#### PRODUCT CATALOG PAGE





### **Smart Card Readers MIF**



Security Level				
<b><u>Credential technology</u></b>				

-

Low security

Moderate security

High security

RE	CLOSE
Product name	Stid readers mullion
Commercial type number (CTN)	ARC1W33BPH5B201A
Supported protocol	OSDPv2 SC
Panel connection	Plug-in/Plug-out connector
Mounting	Surface mount
Credential technology	MIFARE DESFire EV1 & EV3, ISO14443A CSN
Environment class	IP65
Maximum reading distance	6 cm
Dimensions (H x W x D)	111,5 x 42,2 x 22 mm

#### PRODUCT CATALOG PAGE

#### **Stid readers** Mullion

Stid readers Standard

## **Smart Card Readers MIF**



Security Level **Credential technology** 

Low security

Moderate security

High security

RE	CLOSE
Product name	Stid readers standard
Commercial type number (CTN)	ARCW33APH5B201A
Supported protocol	OSDPv2 SC
Panel connection	Plug-in/Plug-out connector
Mounting	Surface mount
Credential technology	MIFARE DESFire EV1 & EV3, ISO14443A CSN
Environment class	IP65
Maximum reading distance	8 cm
Dimensions (H x W x D)	106,6 x 80 x 25,7 mm

#### Stid readers Mullion

**Stid readers** Standard

#### PRODUCT CATALOG PAGE

## **Smart Card Readers MIFARE**



PRODUCT CATALOG PAGE

#### Security Level

**Credential technology** 

Low security

Moderate security

High security

Product name	Stid readers standard, keypad 📃 📕
Commercial type number (CTN)	ARCW33BPH5B201A
Supported protocol	OSDPv2 SC
Panel connection	Terminal
Mounting	Surface mount
Credential technology	MIFARE DESFire EV1 & EV3, ISO14443A CSN
Environment class	IP65
Maximum reading distance	6 cm
Dimensions (H x W x D)	106,6 x 80 x 25,7 mm

#### Stid readers Mullion

Stid readers Standard







### **Smart Card Readers MIF**



Security Level		
<u>Credential</u>	technology	

-

Low security

Moderate security

High security

RE	CLOSE
Product name	Stid readers mullion
Commercial type number (CTN)	ARC1W33BPH5B201A
Supported protocol	OSDPv2 SC
Panel connection	Plug-in/Plug-out connector
Mounting	Surface mount
Credential technology	MIFARE DESFire EV1 & EV3, ISO14443A CSN
Environment class	IP65
Maximum reading distance	6 cm
Dimensions (H x W x D)	111,5 x 42,2 x 22 mm

#### PRODUCT CATALOG PAGE

#### **Stid readers** Mullion

Stid readers Standard

## **Smart Card Readers MIF**



Security Level **Credential technology** 

Low security

Moderate security

High security

RE	CLOSE
Product name	Stid readers standard
Commercial type number (CTN)	ARCW33APH5B201A
Supported protocol	OSDPv2 SC
Panel connection	Plug-in/Plug-out connector
Mounting	Surface mount
Credential technology	MIFARE DESFire EV1 & EV3, ISO14443A CSN
Environment class	IP65
Maximum reading distance	8 cm
Dimensions (H x W x D)	106,6 x 80 x 25,7 mm

#### Stid readers Mullion

**Stid readers** Standard

#### PRODUCT CATALOG PAGE

## **Smart Card Readers MIFARE**



PRODUCT CATALOG PAGE

#### Security Level

**Credential technology** 

Low security

Moderate security

High security

Product name	Stid readers standard, keypad 📃 📕
Commercial type number (CTN)	ARCW33BPH5B201A
Supported protocol	OSDPv2 SC
Panel connection	Terminal
Mounting	Surface mount
Credential technology	MIFARE DESFire EV1 & EV3, ISO14443A CSN
Environment class	IP65
Maximum reading distance	6 cm
Dimensions (H x W x D)	106,6 x 80 x 25,7 mm

#### Stid readers Mullion

Stid readers Standard







### Smart Card Readers MIFARE



Security Le	evel
<b>Credential</b>	<u>technology</u>

Low security

. . .

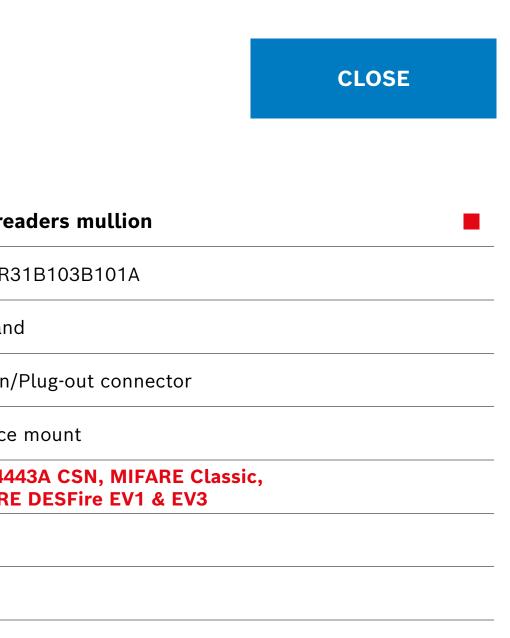
Moderate security

High security

Product name	Stid read
Commercial type number (CTN)	ARC1R31
Supported protocol	Wiegand
Panel connection	Plug-in/Pl
Mounting	Surface n
Credential technology	ISO14443 MIFARE I
Environment class	IP65
Maximum reading distance	6 cm
Dimensions (H x W x D)	111,5 x 4

#### **PRODUCT CATALOG PAGE**

Stid readers Mullion Stid readers Standard



x 42,2 x 22 mm

## **Smart Card Readers MIFARE**



Security Level **Credential technology** 

Low security

Moderate security

High security

Product name	Stid rea
Commercial type number (CTN)	ARCR31
Supported protocol	Wiegand
Panel connection	Termina
Mounting	Surface
Credential technology	ISO1444 MIFARE
Environment class	IP65
Maximum reading distance	8 cm
Dimensions (H x W x D)	106,6 x

#### Stid readers Mullion

Stid readers Standard

#### PRODUCT CATALOG PAGE



readers standard
31A103B101A
and
nal
ce mount
4443A CSN, MIFARE Classic, RE DESFire EV1 & EV3
x 80 x 25,7 mm



#### $(\square)$ BOSCH

## **Smart Card Readers MIFARE**



PRODUCT CATALOG PAGE

#### Security Level

**Credential technology** 

Low security

Moderate security

High security

Product name	Stid rea
Commercial type number (CTN)	ARCR31
Supported protocol	Wiegand
Panel connection	Termina
Mounting	Surface
Credential technology	ISO1444 MIFARE
Environment class	IP65
Maximum reading distance	8 cm
Dimensions (H x W x D)	106,6 x

#### Stid readers Mullion

Stid readers Standard



readers standard, keypad
31B103B101A
Ind
nal
ce mount
I443A CSN, MIFARE Classic, RE DESFire EV1 &EV3
x 80 x 25,7 mm





### Smart Card Readers MIFARE



Security Level			
<b>Credential</b>	<u>technology</u>		

Low security

. . .

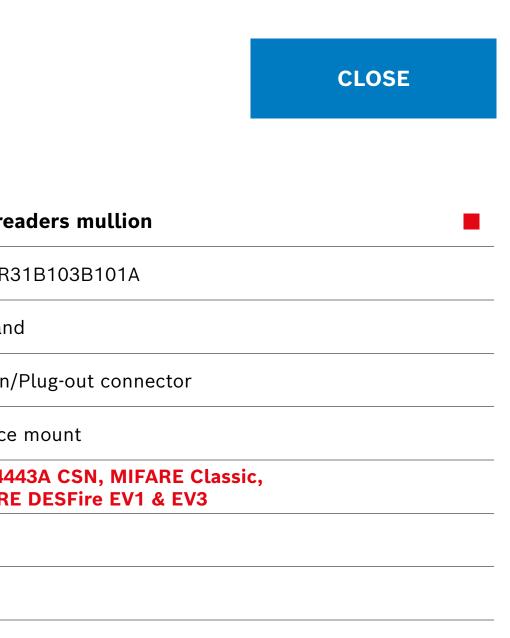
Moderate security

High security

Product name	Stid read
Commercial type number (CTN)	ARC1R31
Supported protocol	Wiegand
Panel connection	Plug-in/Pl
Mounting	Surface n
Credential technology	ISO14443 MIFARE I
Environment class	IP65
Maximum reading distance	6 cm
Dimensions (H x W x D)	111,5 x 4

#### **PRODUCT CATALOG PAGE**

Stid readers Mullion Stid readers Standard



x 42,2 x 22 mm

## **Smart Card Readers MIFARE**



Security Level **Credential technology** 

Low security

Moderate security

High security

Product name	Stid rea
Commercial type number (CTN)	ARCR31
Supported protocol	Wiegand
Panel connection	Termina
Mounting	Surface
Credential technology	ISO1444 MIFARE
Environment class	IP65
Maximum reading distance	8 cm
Dimensions (H x W x D)	106,6 x

#### Stid readers Mullion

Stid readers Standard

#### PRODUCT CATALOG PAGE



readers standard
31A103B101A
and
nal
ce mount
4443A CSN, MIFARE Classic, RE DESFire EV1 & EV3
x 80 x 25,7 mm



#### $(\square)$ BOSCH

## **Smart Card Readers MIFARE**



PRODUCT CATALOG PAGE

#### Security Level

**Credential technology** 

Low security

Moderate security

High security

Product name	Stid rea
Commercial type number (CTN)	ARCR31
Supported protocol	Wiegand
Panel connection	Termina
Mounting	Surface
Credential technology	ISO1444 MIFARE
Environment class	IP65
Maximum reading distance	8 cm
Dimensions (H x W x D)	106,6 x

#### Stid readers Mullion

Stid readers Standard



readers standard, keypad
31B103B101A
Ind
nal
ce mount
I443A CSN, MIFARE Classic, RE DESFire EV1 &EV3
x 80 x 25,7 mm



## **Fingerprint reader, LED indicator**



Product name	IDEMI
Commercial type number (CTN)	293678
Supported protocol	Wiegar
Key pad	No
Panel connection	Pigtail
Mounting	Surfac
Supported Credential technology	N/A (fir
Environment class	IP65
Dimensions (H x W x D)	156 x 6

#### Security Level

**Supported Credential technology** 

**PRODUCT CATALOG PAGE** 

Low security

Moderate security

High security

Fingerprint reader,	Fingerprint card reader,	Fi
LED indicator	iClass, LED indicator	Pi



#### IIA SIGMA Lite

78615

and, OSDPv2 SC

ce mount

fingerprint only)

68 x 62 mm

Fingerprint card reader, Finger Prox, LED indicator Multi,

Fingerprint card reader, Multi, LED indicator

# Fingerprint card reader, iClass, LED indicator



Product name	IDEMIA SIGMA Lite	
Commercial type number (CTN)	293678628	
Supported protocol	Wiegand, OSDPv2 SC	
Key pad	No	
Panel connection	Pigtail	
Mounting	Surface mount	
Supported Credential technology	HID iCLASS, iClass SE, Seos	
Environment class	IP65	
Dimensions (H x W x D)	156 x 68 x 62 mm	

Security Level	
----------------	--

**Supported Credential technology** 

- Low security
- Moderate security
- High security



#### PRODUCT CATALOG PAGE

Fingerprint card reader,FingerpProx, LED indicatorMulti, LE

Fingerprint card reader, Multi, LED indicator

# Fingerprint card reader, HID Prox, LED indication



HD Prox, LED indicator		CLOSE
Product name	IDEMIA SIGMA Lite	-
Commercial type number (CTN)	293673665	
Supported protocol	Wiegand, OSDPv2 SC	
Key pad	Νο	
Panel connection	Pigtail	
Mounting	Surface mount	
Supported Credential technology	HID Prox	
Environment class	IP65	
Dimensions (H x W x D)	156 x 68 x 62 mm	

#### Security Level

**Supported Credential technology** 

#### Low security

Moderate security

High security

Fingerprint reader,	Fingerprint card reader,	Fin
LED indicator	iClass, LED indicator	HIC

#### PRODUCT CATALOG PAGE

ngerprint card reader,Fingerprint card reader,D Prox, LED indicatorMulti, LED indicator

# **Fingerprint card reader,**



Security Level
Supported Credential technology
Low security

Moderate security

High security

Aulti, LED indicator		CLOSE	
Product name	IDEMIA SIGMA Lite		
Commercial type number (CTN)	293678636		
Supported protocol	Wiegand, OSDPv2 SC		
Key pad	No		
Panel connection	Pigtail		
Mounting	Surface mount		
Supported Credential technology	MIFARE Classic, MIFARE DESFire EV1*		
Environment class	IP65		
Dimensions (H x W x D)	156 x 68 x 62 mm		

#### PRODUCT CATALOG PAGE

Fingerprint reader,	Fingerprint card reader,	
LED indicator	iClass, LED indicator	F

Fingerprint card reader, Prox, LED indicator

**Fingerprint card reader,** Multi, LED indicator

## **Fingerprint card reader,**



#### Security Level

**Supported Credential technology** 

#### Low security

Moderate security

High security

Class, touchscreen		CLOSE	
Product name	IDEMIA SIGMA Lite+		
Commercial type number (CTN)	293673644		
Supported protocol	Wiegand, OSDPv2 SC		
Key pad	Yes		
Panel connection	Pigtail		
Mounting	Surface mount		
Supported Credential technology	HID iCLASS, iClass SE, Seos		
Environment class	IP65		
Dimensions (H x W x D)	156 x 68 x 62 mm		

### Fingerprint card reader, Fingerprint card reader,

iClass, touchscreen

Prox, touchscreen

#### **PRODUCT CATALOG PAGE**

Fingerprint card reader,

Multi, touchscreen

## **Fingerprint card reader,**



#### Security Level

**Supported Credential technology** 

#### Low security

Moderate security

High security

Prox, touchscree	n	CLOSE
Product name	IDEMIA SIGMA Lite+	•
Commercial type number (CTN)	293678678	
Supported protocol	Wiegand, OSDPv2 SC	
Key pad	Yes	
Panel connection	Pigtail	
Mounting	Surface mount	
Supported Credential technology	HID Prox	
Environment class	IP65	
Dimensions (H x W x D)	156 x 68 x 62 mm	

#### Fingerprint card reader,

### Fingerprint card reader, Fingerprint card reader,

iClass, touchscreen

**Prox, touchscreen** 

#### **PRODUCT CATALOG PAGE**

Multi, touchscreen

#### $(\mathbb{H})$ BOSCH

## Fingerprint card reader, Multi, touchscreen



#### **Security Level Supported Credential technology**

Low security

Moderate security

High security

#### **Product name** IDEM Commercial type number (CTN) 29367 Supported protocol Wiega Yes Key pad Panel connection Pigtail Surfac Mounting Supported Credential technology **MIFAR** Environment class IP65 Dimensions $(H \times W \times D)$ 156 x

\* Bosch key not compatible

#### **PRODUCT CATALOG PAGE**

### Fingerprint card reader,

Fingerprint card reader,

iClass, touchscreen

Prox, touchscreen

	CLOSE
IIA SIGMA Lite+	
78660	
und, OSDPv2 SC	
l	
ce mount	
RE Classic, MIFARE DESFire	EV1*
68 x 62 mm	

**Fingerprint card reader**,

Multi, touchscreen



## **Contactless 3D fingerprint card reader**



Security Level		
Supported Credential technology		
Low security		

Moderate security
-------------------

High security

	Product name	IDEMIA Mo
	Commercial type number (CTN)	293722319
_	Supported protocol	Wiegand, O
	Key pad	Yes
_	Panel connection	Pigtail
_	Mounting	Surface mo
_	Supported Credential technology	HID Prox, HI
_	Environment class	IP65
_	Dimensions (H x W x D)	250 x 152 x

\* Bosch key not compatible

#### PRODUCT CATALOG PAGE

	CLOSE
A MorphoWave Compac	t <b>=</b>
2319	
nd, OSDPv2 SC	
e mount or pedestal moun	t (optional)
ox, HID iCLASS, iClass SE, S	eos, MIFARE DESFire EV1*

152 x 216 mm

#### $(\square)$ BOSCH

#### **Facial recognition card** -(⊕



ader	CLOSE
Product name	IDEMIA VisionPass
Commercial type number (CTN)	293744604
Supported protocol	Wiegand, OSDPv2 SC
Key pad	Yes
Panel connection	Pigtail
Mounting	Surface mount
Supported Credential technology	HID Prox, HID iCLASS, iClass SE, Seos, MIFARE DESFire EV1
Environment class	IP65
Dimensions (H x W x D)	156 x 68 x 62 mm

\* Bosch key not compatible

#### Security Level

**Supported Credential technology** 

#### Low security

Moderate security

High security

#### PRODUCT CATALOG PAGE

## **Fingerprint card reader Multiclass**



Product name	Fingerpr
Commercial type number (CTN)	ARD-FPB
Supported protocol	Wiegand,
Panel connection	Terminal
Mounting	Surface r
Supported Credential technology	EM, HIDp Seos, MI
Environment class	IP67
Maximum reading distance	13 - 127
Dimensions (H x W x D)	172 x 50

#### Security Level

**Supported Credential technology** 

### Low security

Moderate security

High security

## PRODUCT CATALOG PAGE

	CLOSE
rprint reader	
PBEW2-H3	
nd, OSDPv2 SC	
nal strip, RJ45 (PoE)	
ce mount	
IIDprox, HID-Corporate-100 MIFARE Classic, MIFARE [	
27 mm (0.51 - 5 in.)	

50 x 43 mm (6.77 x 1.97 x 1.69 in.)

## **Fingerprint reader, LED indicator**



Product name	IDEMI
Commercial type number (CTN)	293678
Supported protocol	Wiegar
Key pad	No
Panel connection	Pigtail
Mounting	Surfac
Supported Credential technology	N/A (fir
Environment class	IP65
Dimensions (H x W x D)	156 x 6

## Security Level

**Supported Credential technology** 

**PRODUCT CATALOG PAGE** 

Low security

Moderate security

High security

Fingerprint reader,	Fingerprint card reader,	Fi
LED indicator	iClass, LED indicator	Pi



#### IIA SIGMA Lite

78615

and, OSDPv2 SC

ce mount

fingerprint only)

68 x 62 mm

Fingerprint card reader, Finger Prox, LED indicator Multi,

Fingerprint card reader, Multi, LED indicator

## Fingerprint card reader, iClass, LED indicator



Product name	IDEMIA SIGMA Lite	
Commercial type number (CTN)	293678628	
Supported protocol	Wiegand, OSDPv2 SC	
Key pad	No	
Panel connection	Pigtail	
Mounting	Surface mount	
Supported Credential technology	HID iCLASS, iClass SE, Seos	
Environment class	IP65	
Dimensions (H x W x D)	156 x 68 x 62 mm	

Security Level	
----------------	--

**Supported Credential technology** 

- Low security
- Moderate security
- High security



### PRODUCT CATALOG PAGE

Fingerprint card reader,FingerpProx, LED indicatorMulti, LE

Fingerprint card reader, Multi, LED indicator

## Fingerprint card reader, HID Prox, LED indication



HID Prox, LED in	CLOSE	
Product name	IDEMIA SIGMA Lite	-
Commercial type number (CTN)	293673665	
Supported protocol	Wiegand, OSDPv2 SC	
Key pad	Νο	
Panel connection	Pigtail	
Mounting	Surface mount	
Supported Credential technology	HID Prox	
Environment class	IP65	
Dimensions (H x W x D)	156 x 68 x 62 mm	

## Security Level

**Supported Credential technology** 

### Low security

Moderate security

High security

Fingerprint reader,	Fingerprint card reader,	Fin
LED indicator	iClass, LED indicator	HIC

### PRODUCT CATALOG PAGE

ngerprint card reader,Fingerprint card reader,D Prox, LED indicatorMulti, LED indicator

## **Fingerprint card reader,**



Security Level
Supported Credential technology
Low security

Moderate security

High security

Julti, LED indicator		CLOSE	
Product name	IDEMIA SIGMA Lite		
Commercial type number (CTN)	293678636		
Supported protocol	Wiegand, OSDPv2 SC		
Key pad	No		
Panel connection	Pigtail		
Mounting	Surface mount		
Supported Credential technology	MIFARE Classic, MIFARE DESFire EV1*		
Environment class	IP65		
Dimensions (H x W x D)	156 x 68 x 62 mm		

## PRODUCT CATALOG PAGE

Fingerprint reader,	Fingerprint card reader,	
LED indicator	iClass, LED indicator	F

Fingerprint card reader, Prox, LED indicator

**Fingerprint card reader,** Multi, LED indicator

## **Fingerprint card reader,**



#### Security Level

**Supported Credential technology** 

### Low security

Moderate security

High security

Class, touchscreen		CLOSE	
Product name	IDEMIA SIGMA Lite+		
Commercial type number (CTN)	293673644		
Supported protocol	Wiegand, OSDPv2 SC		
Key pad	Yes		
Panel connection	Pigtail		
Mounting	Surface mount		
Supported Credential technology	HID iCLASS, iClass SE, Seos		
Environment class	IP65		
Dimensions (H x W x D)	156 x 68 x 62 mm		

## Fingerprint card reader, Fingerprint card reader,

iClass, touchscreen

Prox, touchscreen

### **PRODUCT CATALOG PAGE**

Fingerprint card reader,

Multi, touchscreen

## **Fingerprint card reader,**



#### Security Level

**Supported Credential technology** 

#### Low security

Moderate security

High security

Prox, touchscree	n	CLOSE
Product name	IDEMIA SIGMA Lite+	•
Commercial type number (CTN)	293678678	
Supported protocol	Wiegand, OSDPv2 SC	
Key pad	Yes	
Panel connection	Pigtail	
Mounting	Surface mount	
Supported Credential technology	HID Prox	
Environment class	IP65	
Dimensions (H x W x D)	156 x 68 x 62 mm	

## Fingerprint card reader,

## Fingerprint card reader, Fingerprint card reader,

iClass, touchscreen

**Prox, touchscreen** 

### **PRODUCT CATALOG PAGE**

Multi, touchscreen

#### $(\mathbb{H})$ BOSCH

## Fingerprint card reader, Multi, touchscreen



### **Security Level Supported Credential technology**

Low security

Moderate security

High security

### **Product name** IDEM Commercial type number (CTN) 29367 Supported protocol Wiega Yes Key pad Panel connection Pigtail Surfac Mounting Supported Credential technology **MIFAR** Environment class IP65 Dimensions $(H \times W \times D)$ 156 x

\* Bosch key not compatible

## **PRODUCT CATALOG PAGE**

## Fingerprint card reader,

Fingerprint card reader,

iClass, touchscreen

Prox, touchscreen

	CLOSE
IIA SIGMA Lite+	
78660	
und, OSDPv2 SC	
l	
ce mount	
RE Classic, MIFARE DESFire	EV1*
68 x 62 mm	

**Fingerprint card reader**,

Multi, touchscreen



## **Contactless 3D fingerprint card reader**



Security Level
Supported Credential technology
Low security

Moderate security
-------------------

High security

	Product name	IDEMIA Mo
	Commercial type number (CTN)	293722319
_	Supported protocol	Wiegand, O
	Key pad	Yes
_	Panel connection	Pigtail
_	Mounting	Surface mo
_	Supported Credential technology	HID Prox, HI
_	Environment class	IP65
_	Dimensions (H x W x D)	250 x 152 x

\* Bosch key not compatible

## PRODUCT CATALOG PAGE

	CLOSE
A MorphoWave Compac	t <b>=</b>
2319	
nd, OSDPv2 SC	
e mount or pedestal moun	t (optional)
ox, HID iCLASS, iClass SE, S	eos, MIFARE DESFire EV1*

152 x 216 mm

#### $(\square)$ BOSCH

## **Facial recognition card** -(⊕



ader	CLOSE
Product name	IDEMIA VisionPass
Commercial type number (CTN)	293744604
Supported protocol	Wiegand, OSDPv2 SC
Key pad	Yes
Panel connection	Pigtail
Mounting	Surface mount
Supported Credential technology	HID Prox, HID iCLASS, iClass SE, Seos, MIFARE DESFire EV1
Environment class	IP65
Dimensions (H x W x D)	156 x 68 x 62 mm

\* Bosch key not compatible

## Security Level

**Supported Credential technology** 

### Low security

Moderate security

High security

## **Fingerprint card reader Multiclass**



Product name	Fingerpr
Commercial type number (CTN)	ARD-FPB
Supported protocol	Wiegand,
Panel connection	Terminal
Mounting	Surface r
Supported Credential technology	EM, HIDp Seos, MI
Environment class	IP67
Maximum reading distance	13 - 127
Dimensions (H x W x D)	172 x 50

### Security Level Supported Credential technology

- Low security
- Moderate security
- High security

## PRODUCT CATALOG PAGE

	CLOSE
erprint reader	
FPBEW2-H3	
and, OSDPv2 SC	
inal strip, RJ45 (PoE)	
ice mount	
HIDprox, HID-Corporate-100 , MIFARE Classic, MIFARE [	
127 mm (0.51 - 5 in.)	

50 x 43 mm (6.77 x 1.97 x 1.69 in.)

#### (H)BOSCH

## **Request-to-Exit detectors**





### **Product name Request-to-exit sensor, sounder** Commercial type number (CTN) DS160 (white) / DS161 (black) Material High impact ABS plastic enclosure Power Loss Default Timer mode. 12 VAC or VDC to 30 VAC or VDC Voltage Alarm Output VDC for resistive loads Indicators 1 activation LED Relay Latch Time Adjustable from 0.5 sec to 64 sec. Dimensions (H x W x D) Door monitor yes Keycard input yes Integrated sounder yes Sequel Logic Input (SLI) yes

#### **PRODUCT CATALOG PAGE**



Programmable fail-safe or fail-secure modes

Programmable reset accumulative or non-reset counting

Two Form C relay contacts each rated 1 A at 30 VAC or

4,5 cm x 17,1cm x 4,4 cm (1.80 x 6.75 x 1.75 in.)



## Card container with yoyo ACX-JOJCON01



_	Material description	Solid, c horizon
	Container dimensions (H x W x D)	96 x 63
_	Suitable for card dimensions (H x W x D)	85,7 x 5
_	Jojo dimensions	35 x 55
_	Cord length	600 mn

## PRODUCT CATALOG PAGE

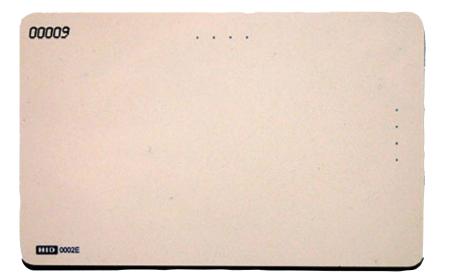
## CLOSE

clear polycarbonate housing, anti-reflexion surface, ntal layout, yoyo with cord and snap-hook

63 x 4.5 mm x 54 x 0,76 mm 65 mm nm (approx.)



## HIDprox card ACD-ISO CARD



## Security Level

## **Credential technology**

Low security	Low :	security	
--------------	-------	----------	--

- Moderate security
- High security

	Credential technology	HIDprox
	Card definition	26 bit
	Transmission frequency	125 kHz
	Material	Plastic c
	Coding	Chip nu
	Imprinted card number	yes
	Printable	yes
_		
_	Slot punch	no
_	Slot punch Data preservation	<b>no</b> 10 years
_	·	
_	Data preservation	10 years
_	Data preservation Transaction times	10 years < 100 m

## PRODUCT CATALOG PAGE

	CLOSE
'OX	
Hz	
c card, PVC	
number, customer (or facilit	y) code
ars	
ms	
x 54 x 0,76 mm (3.37 x 2.13	x 0.03 in.)

eces



## **HIDprox clamshell card**

ACD-PROXCARDII



## Security Level

## **Credential technology**

- Low security
- Moderate security
- High security

	CLOSE
Credential technology	HIDprox
Card definition	26 bit
Transmission frequency	125 kHz
Material	Plastic card, PVC
Coding	Chip number, customer (or facility) code
Imprinted card number	yes
Printable	yes
Slot punch	yes
Data preservation	10 years
Transaction times	< 100 ms
Dimensions (H x W x D)	85,7 x 54 x 1,9 mm (3.37 x 2.13 x 0.07 in.)
Packing unit	50 pieces



EM card





## Security Level

## Credential technology

Low security

Moderate security

High security

Credential technology	EM410
Card definition	26 bit
Transmission frequency	125 kH
Material	ABS
Coding	Chip nu
Imprinted card number	yes
Printable	yes
Slot punch	no
Data preservation	10 year
Transaction times	< 100 r
Dimensions (H x W x D)	85,6 x \$
Packing unit	25 piec

## PRODUCT CATALOG PAGE

	CLOSE	
02		
Ηz		
number, customer (or facili	ty) code	
irs		
ms		
54 x 0,82 mm (3.37 x 2.13	3 x 0.03 in.)	

ces



## EM clamshell card

ACD-ATR14CS



## Security Level

## Credential technology

- Low security
- Moderate security
- High security

Credential technology	EM410
Card definition	26 bit
Transmission frequency	125 kH
Material	ABS
Coding	Chip nu
Imprinted card number	yes
Printable	yes
Printable Slot punch	yes <b>yes</b>
Slot punch	yes
Slot punch Data preservation	<b>yes</b> 10 year

## PRODUCT CATALOG PAGE

	CLOSE	
102		
t		
Hz		
number, customer (or facili	ty) code	
ars		
ms		
x 54 x 0,82 mm (3.37 x 2.13	x 0.03 in.)	

ces







### Security Level Credential technology

Low security

Moderate security

High security

Credential technology	EM410
Card definition	26 bit
Transmission frequency	125 kH
Material	PVC / F
Coding	Chip nu
Imprinted card number	no
Printable	no
Slot punch	key ring
Data preservation	10 year
Transaction times	< 100 r
Dimensions (H x W x D)	54,5 x 3
Packing unit	25 piec

## PRODUCT CATALOG PAGE

	CLOSE
02	-
Ηz	
PET	
number, customer (or facili	ty) code
ng hole	
ırs	
ms	
35 x 7,3 mm (2.14 x 1.37 x	x 0.28 in.)

ces





## Security Level

### **Credential technology**

- Moderate security
- High security

Commercial type number (CTN)	ACD-ICL
Credential technology	iCLASS
Memory / application area	256 B / 2
Card definition	26 bit
Transmission frequency	13,56 MF
Material	PVC
Coding	Chip num
Imprinted card number	yes
Printable	yes
Slot punch	no
Data preservation	10 years
Transaction times	< 100 ms
Dimensions (H x W x D)	85,6 x 54
Packing unit	50 pieces

## PRODUCT CATALOG PAGE

## ACD-ICL256-2AR

ACD-ICL2K-2AR

CLOSE	
-	
y) code	
x 0.03 in.)	
	CLOSE

ces

ACD-ICL2K-16AR





## Security Level

### **Credential technology**

- Moderate security
- High security

Commercial type number (CTN)	ACD-ICL2
Credential technology	iCLASS
Memory / application area	2 kB / 2 AI
Card definition	26 bit
Transmission frequency	13,56 MHz
Material	PVC
Coding	Chip numb
Imprinted card number	yes
Printable	yes
Slot punch	no
Data preservation	10 years
Transaction times	< 100 ms
Dimensions (H x W x D)	85,6 x 54 x
Packing unit	50 pieces

## PRODUCT CATALOG PAGE

## ACD-ICL256-2AR

ACD-ICL2K-2AR

	CLOSE	
ICL2K-2AR		
S		
2 AR		
MHz		
number, customer (or facili	ty) code	
ars		
ms		
54 x 0,82 mm (3.37 x 2.13	x 0.03 in.)	

ACD-ICL2K-16AR





## Security Level

### **Credential technology**

- Moderate security
- High security

Commercial type number (CTN)	ACD-ICL2K-
Credential technology	iCLASS
Memory / application area	2 kB / 16 AR
Card definition	26 bit
Transmission frequency	13,56 MHz
Material	PVC
Coding	Chip number
Imprinted card number	yes
Printable	yes
Slot punch	no
Data preservation	10 years
Transaction times	< 100 ms
Dimensions (H x W x D)	85,6 x 54 x 0
 Packing unit	50 pieces

ACD-ICL256-2AR

## PRODUCT CATALOG PAGE

	CLOSE	
-16AR		
2		
r, customer (or facility) code		

54 x 0,82 mm (3.37 x 2.13 x 0.03 in.)

ACD-ICL2K-2AR ACD-ICL2K-16AR





## Security Level

### **Credential technology**

- Moderate security
- High security

Commercial type number (CTN)	ACD-ICL25
Credential technology	iCLASS
Memory / application area	256 B / 2 A
Card definition	26 bit
Transmission frequency	13,56 MHz
Material	PVC
Coding	Chip numbe
Imprinted card number	yes
Printable	yes
Slot punch	no
Data preservation	10 years
Transaction times	< 100 ms
 Dimensions (H x W x D)	85,6 x 54 x
Packing unit	50 pieces

## PRODUCT CATALOG PAGE

## ACD-ICL256-2AR

ACD-ICL2K-2AR

	CLOSE	
ICL256-2AR		
S		
/ 2 AR		
MHz		
number, customer (or facili	ty) code	
ars		
ms		
54 x 0,82 mm (3.37 x 2.13	3 x 0.03 in.)	

ACD-ICL2K-16AR





## Security Level

### **Credential technology**

- Moderate security
- High security

Commercial type number (CTN)	ACD-ICL2
Credential technology	iCLASS
Memory / application area	2 kB / 2 AI
Card definition	26 bit
Transmission frequency	13,56 MHz
Material	PVC
Coding	Chip numb
Imprinted card number	yes
Printable	yes
Slot punch	no
Data preservation	10 years
Transaction times	< 100 ms
Dimensions (H x W x D)	85,6 x 54 x
Packing unit	50 pieces

## PRODUCT CATALOG PAGE

## ACD-ICL256-2AR

ACD-ICL2K-2AR

	CLOSE	
ICL2K-2AR		
S		
2 AR		
MHz		
number, customer (or facili	ty) code	
ars		
ms		
54 x 0,82 mm (3.37 x 2.13	x 0.03 in.)	

ACD-ICL2K-16AR





## Security Level

### **Credential technology**

- Moderate security
- High security

Commercial type number (CTN)	ACD-ICL2K-
Credential technology	iCLASS
Memory / application area	2 kB / 16 AR
Card definition	26 bit
Transmission frequency	13,56 MHz
Material	PVC
Coding	Chip number
Imprinted card number	yes
Printable	yes
Slot punch	no
Data preservation	10 years
Transaction times	< 100 ms
Dimensions (H x W x D)	85,6 x 54 x 0
 Packing unit	50 pieces

ACD-ICL256-2AR

## PRODUCT CATALOG PAGE

	CLOSE	
-16AR		
2		
r, customer (or facility) code		

54 x 0,82 mm (3.37 x 2.13 x 0.03 in.)

ACD-ICL2K-2AR ACD-ICL2K-16AR



# iCLASS keyfob

ACT-ICL256-2AR\*



\* Check regional availability!

### Security Level

### **Credential technology**

- Low security
- Moderate security
- High security

## PRODUCT CATALOG PAGE

Credential technology	iCLASS
Memory / application area	256 B /
Card definition	26 bit
Transmission frequency	125 kH:
Material	PVC
Coding	Chip nu
Imprinted keyfob number	yes
Printable	no
Slot punch	key ring
Data preservation	10 year
Transaction times	< 100 n
Dimensions (H x W x D)	34 x 31
Packing unit	50 piec

	CLOSE	
S		
/ 2 AR		
łz		
umber, customer (or facili	ty) code	
g hole		
rs		
ms		
1 x 4.4 mm (1.34 x 1.22 x (	D.17 in.)	

eces



## iCLASS adhesive tag

ACA-ICL256-2AR\*



\* Check regional availability!

### Security Level

### **Credential technology**

Low security

- Moderate security
- High security

	CLOSE
Credential technology	iCLASS
Memory / application areas	256 B / 2 AR
Card definition	26 bit
Transmission frequency	125 kHz
Material	PVC
Coding	Chip number, customer (or facility) code
Imprinted keyfob number	no
Printable	no
Slot punch	no
Data preservation	10 years
Transaction times	< 100 ms
Dimensions (W x D)	32,64 x 1,78 mm (1.29 x 0.07 in.)
Packing unit	50 pieces



## MIFARE classic card ACD-MFC-ISO



## Security Level

## Credential technology

Low security

Moderate security

High security

## PRODUCT CATALOG PAGE

Credential technology	MIFARE
Memory / application areas	1 kB
Card definition	60 bit
Transmission frequency	13,56 N
Material	PVC
Coding	Card nu
Imprinted card number	yes
 Printable	yes
 Slot punch	no
Data preservation	10 years
Transaction times	< 100 m
Dimensions (H x W x D)	85,6 x 5
Packing unit	50 piece

	CLOSE
E classic	•
MHz	
umber protected by (uniqu	ue) Bosch BT key
rs	
ms	
54 x 0,76 mm (3.37 x 2.13	3 x 0.03 in.)

eces





### Security Level **Credential technology**

Low security

- Moderate security
- High security

	CLOSE
Credential technology	MIFARE classic
Memory / application areas	1 kB
Card definition	60 bit
Transmission frequency	13,56 MHz
Material	PVC
Coding	Card number protected by (unique) Bosch BT key
Imprinted keyfob number	yes
Printable	no
Slot punch	key ring hole
Data preservation	10 years
Transaction times	< 100 ms
Dimensions (H x W x D)	58 x 32 x 4,5 mm (2.28 x 1.26 x 0.18 in.)
Packing unit	50 pieces



## **MIFARE EV1 card** ACD-EV1-ISO



## Security Level

### **Credential technology**

Low security

- Moderate security
- High security

Credential technology	MIFARE D
 Memory / application areas	8 kB
Card definition	60 bit
Transmission frequency	13,56 MHz
Material	PVC
Coding	Card num
Imprinted card number	yes
 Printable	yes
 Slot punch	no
 Data preservation	10 years
Transaction times	< 100 ms
 Dimensions (H x W x D)	85,6 x 54
Packing unit	50 pieces

	CLOSE
RE DESFire EV1	
MHz	
number protected by (uniqu	ie) Bosch BT key
ars	
ms	
x 54 x 0,76 mm (3.37 x 2.13	x 0.03 in.)



# MIFARE EV1 keyfob

ACT-EV1TRF-SA1



### Security Level Credential technology

Low security

- Moderate security
- High security

	CLOSE
Credential technology	MIFARE DESFire EV1
Memory / application areas	8 kB
Card definition	60 bit
Transmission frequency	13,56 MHz
Material	PVC
Coding	Card number protected by (unique) Bosch BT key
Imprinted keyfob number	yes
Printable	no
Slot punch	key ring hole
Data preservation	10 years
Transaction times	< 100 ms
Dimensions (H x W x D)	58 x 32 x 4,5 mm
Packing unit	50 pieces



# MIFARE EV3 keyfob

ACT-EV1TRF-SA1



### Security Level

**Credential technology** 

Low securityModerate security

High security

Credential technology	MIFARE D
Memory / application areas	8 kB
Card definition	60 bit
Transmission frequency	13,56 MH:
Material	PVC
Coding	Card num
Imprinted keyfob number	yes
Printable	no
Slot punch	key ring h
Data preservation	25 years
Transaction times	< 100 ms
Dimensions (H x W x D)	58 x 32 x 4
 Packing unit	50 pieces

	CLOSE
E DESFire EV3	•
MHz	
umber protected by (uniqu	e) Bosch BT key
g hole	
rs	
ms	
2 x 4,5 mm	
ces	





## MIFARE EV3 card

ACD-EV3-ISO



### Security Level

Credential technology

Low security

Moderate security

High security

## PRODUCT CATALOG PAGE

Credential technology	MIFARE
Memory / application areas	8 kB
Card definition	60 bit
Transmission frequency	13,56 N
Material	PVC
Coding	Card nu
Imprinted card number	yes
Printable	yes
Slot punch	no
Data preservation	25 years
Transaction times	< 100 m
Dimensions (H x W x D)	85,6 x 5
Packing unit	50 piec

	CLOSE
E DESFire EV3	
MHz	
umber protected by (uniqu	e) Bosch BT key
rs	
ms	
54 x 0,76 mm	

eces



## Seos keyfob ACT-SEO8K37-10



### Security Level

Credential technology

Low securityModerate security

High security

Credential technology	Seos
Memory / application areas	8 kB
Card definition	37 bit
Transmission frequency	13,56 MH
Material	PVC
Coding	Chip num
Imprinted keyfob number	yes
Printable	no
Slot punch	key ring h
Data preservation	10 years
Transaction times	< 100 ms
Dimensions (H x W x D)	34 x 31 x 4
Packing unit	10 pieces

	CLOSE	
t		_
5 MHz		
number, customer (or facilit	y) code	
ng hole		
ars		
) ms		
31 x 4,4 mm		
eces		



## Seos keyfob ACT-SEO8K26-10

HID

### Security Level

**Credential technology** 

Low securityModerate security

High security

Credential technology	Seos
Memory / application areas	8 kB
Card definition	26 bit
Transmission frequency	13,56 MHz
Material	PVC
Coding	Chip num
Imprinted keyfob number	yes
Printable	no
Slot punch	key ring h
Data preservation	10 years
Transaction times	< 100 ms
Dimensions (H x W x D)	34 x 31 x 4
Packing unit	10 pieces

	CLOSE	
t		_
5 MHz		
number, customer (or facilit	y) code	
ng hole		
ars		
) ms		
31 x 4,4 mm		
eces		



## Seos card

ACD-SEO8K37-50

### Security Level

**Credential technology** 

Low security

Moderate security

High security

RODUCT CATALOG PAGE				
		CT	CATAL	

Credential technology	Seos
Memory / application areas	8 kB
Card definition	37 bit
Transmission frequency	13,56 MHz
Material	PVC, PET
Coding	Chip numl
Imprinted keyfob number	yes
Printable	yes
Slot punch	no
Data preservation	00 years
Transaction times	< 100 ms
 Dimensions (H x W x D)	54 x 85,73
Packing unit	50 pieces

	CLOSE	
1Hz		
ΞT		
Imber, customer (or facility) co	de	
S		
าร		
,73x 0,84 mm		



## Seos card

ACD-SEO8K26-50

### Security Level

**Credential technology** 

Low security

Moderate security

High security

D	T		Т	7		Λ	- ^		G	Λ	
	Ν.		Л	А							

Credential technology	Seos
Memory / application areas	8 kB
Card definition	26 bit
Transmission frequency	13,56 MH
Material	PVC, PET
Coding	Chip num
Imprinted keyfob number	yes
Printable	yes
Slot punch	no
Data preservation	00 years
Transaction times	< 100 ms
Dimensions (H x W x D)	54 x 85,73
Packing unit	50 pieces

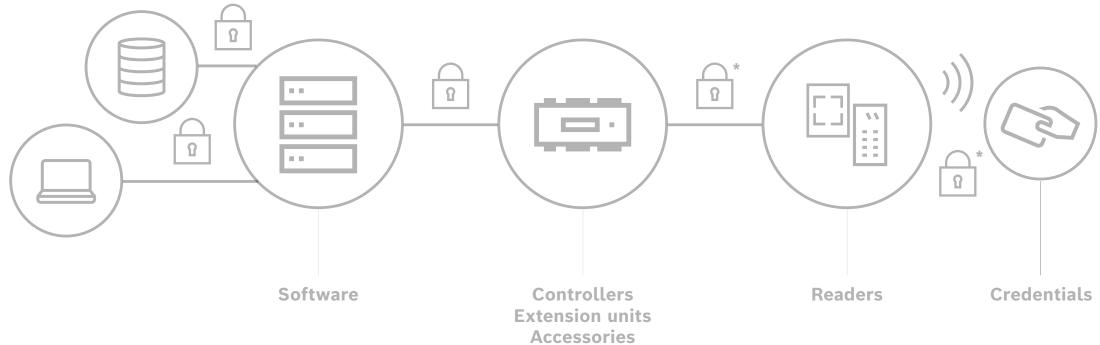
	CLOSE	
		-
MHz		
PET		
number, customer (or facility	/) code	
ars		
ms		
5,73x 0,84 mm		



## You completed all the steps

You can use the Wishlist  $\swarrow_{\oplus}$  to tag the products of your interest.

If you would like to contact us, please find the contact data of our local specialists on our website.





**GO TO WISHLIST** 

**PREVIOUS** 



## **LECTUS** select Equipped with Bluetooth<sup>®</sup> Low Energy module

## Availability in March 2023

- Using a mobile phone for authentication in front of the LECTUS select reader can be enabled with Mobile Access by Bosch
- Allows to use **physical** as well as **mobile credentials**
- Compatibility with the OSDP LECTUS select BLE reader series

## Mobile Access is compatible with software versions:

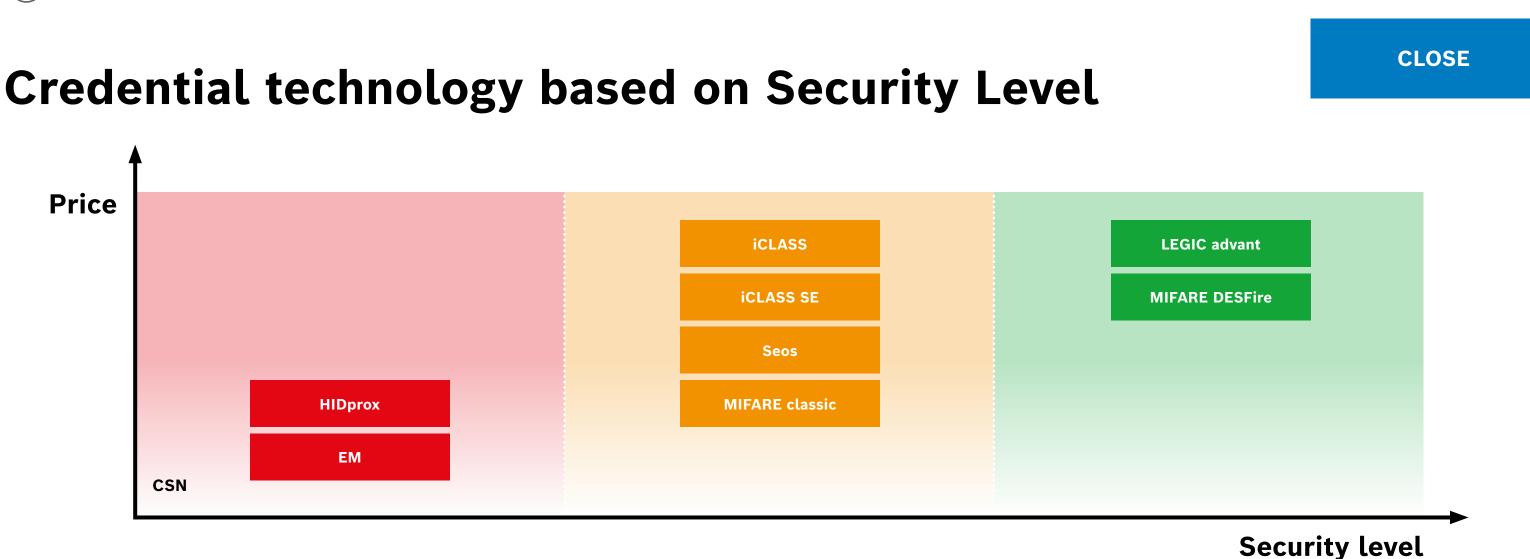
- AMS 5.0.1
- BIS 5.1
- Mobile Access 5.0





**CLOSE** 

#### BOSCH (H)



## **Low Security**

CSN number: The CSN code is not a card technology but refers to the unique card serial number of an access control smartcard (13,56Mhz). All smart cards contain a CSN as required by the ISO specifications 14443 and 15693. The CSN is also called the UID (Unique ID), and CUID (Card Unique ID). Please note that if you apply the CSN number for access control applications there is no security or authentication! Therefore, we classify the usage of this serial number as the lowest security level.

HIDprox and EM: Traditional card technologies - commonly referred to as 'prox' cards - which make use of the 125Khz frequency to communicate contactless between card and reader. The card immediately begins to transmit its card number when it approaches the readers field. The data transmitted by the card is fixed and is not encrypted, which is also the key disadvantage of this technology. The reason to choose this technology is because it is low cost, relatively fast and has a longer read range (10 cm) then smart cards usually deliver. Because the possibility to copy 125kHz cards exists for more than 20 years already, we classify the usage of this serial number as the lowest security level.

## **Moderate security**

iCLASS, iCLASS SE, Seos, MIFARE Classic: These credential technologies are based on the 13,56Mhz frequency. They are addressing the security issues with 125kHz technology by enabling two-way communication between the card and reader. Due to the introduction of encryption and the ability to store data on the card, they are called 'smartcard' technologies. All data (biometric template, offline locking, canteen payment, etc.) can be stored in storage areas known as card sectors. When the card approaches the RF field of the reader, the card and reader begin an encrypted communication session using shared encryption keys. Typically, the encrypted twoway communication requires more energy from the card meaning a slightly reduced read range of around 7 cm (compared to 125Khz technology). Unfortunately, approx. 10 years ago the encryption algorithm was hacked, so ever since with the right knowledge and hardware, a card can be copied. Therefore, we classify these technologies as moderate security.

## **High security**

**MIFARE DESFire, LEGIC advant:** These credential technologies are the latest variants for the 13,56Mhz frequency smartcard technology. Specifically, MIFARE DESFire is the newest - and most secure - of the MIFARE standards and includes a cryptographic module on the card that adds an additional layer of triple DES and AES encryption to the card/reader transaction which reduces the risk of cloning / creating cards. This is one of the highest standards of card security currently available, however typically it does come with a reduced reading range compared with the other credential technologies.



## Wishlist

## Software

AMS-BLIT	Access Management System Lite
AMS-BPLU	Access Management System Plus
AMS-BPRO	Access Management System Professional
AMS-FVISLIT	Visitor Management for AMS Lite
AMS-FVISPLU	Visitor Management for AMS Plus

## Controllers

APC-AMC2-2WCF <u>Door controller Wiegand 2 readers</u> APC-AMC2-4WCF <u>Door controller Wiegand 4-8 readers</u> APC-AMC2-4R4CF <u>Door controller RS-485 8 readers</u>

## **Extension units**

API-AMC2-8IOE	I/O extension board with 8-input & 8-output
API-AMC2-16IOE	I/O extension board with 16-input & 16-output
API-AMC2-16IE	l extension board with 16-input
API-AMC2-4WE	Wiegand extension board for 4 readers

## Accessoires

AEC-AMC2-UL01	Enclosure with 1 DIN rail
AEC-AMC2-UL02	Enclosure with 2 DIN rails
AEC-AMC2-ENC3	Enclosure with power supply & DIN rail
AEC-PANEL19-UPS	Mounting plate for 2 DIN rails
AEC-PANEL19-4DR	Mounting plate for 4 DIN rails
APS-PSU-60	Power Supply Unit

## **Card readers**

ARD-MINIPROX	HIDprox, EM, mullion
ARD-PROX-PPL	HIDprox, EM, mini mullion
ARD-ENTRYPROX	HIDprox, standalone device
ARD-AYK12	Card Reader, EM, mini mullion

### **Smart card readers**

ARD-SIGR20-ICL	LECTUS secure 1000 IC
ARD-SIGR20K-ICL	LECTUS secure 3000 IC
ARD-SIGR40-ICL	LECTUS secure 4000 IC
ARD-SIGR40K-ICL	LECTUS secure 5000 IC
ARD-SIGR20-SEO	LECTUS secure 1000 SO
ARD-AYBS6260	LECTUS duo 3000 C
ARD-AYBS6360	LECTUS duo 3000 CK
ARD-AYBS6280	<u>LECTUS duo 3000 E</u>
ARD-AYBS6380	LECTUS duo 3000 EK
ARD-SIGR20-SEO	LECTUS secure 1000 SO
ARD-SELECT-BOK	LECTUS Select (black, with keypad)
ARD-SELECT-BOKM	LECTUS Select (black, with keypad)
ARD-SELECT-BO	LECTUS Select (black)
ARD-SELECT-BOM	LECTUS Select (black)
ARD-SELECT-WOK	LECTUS Select (white, with keypad)
ARD-SELECT-WOKM	LECTUS Select (white, with keypad)
ARD-SELECT-WO	LECTUS Select (white)
ARD-SELECT-WOM	LECTUS Select (white)
ARC1R31B103B101A	Stid readers mullion (wiegand)
ARCR31A103B101A	<u>Stid readers standard (wiegand)</u>
ARCR31B103B101A	Stid readers standard, keypad (wiegand)
ARC1W33BPH5B201A	Stid readers mullion (OSDP)
ARCW33APH5B201A	Stid readers standard (OSDP)
ARCW33BPH5B201A	Stid readers standard, keypad (OSDP)

### **Biometric readers**

293678615	Fingerprint reader, LED indicator			
293678628	Fingerprint card reader, iClass, LED indicator			
293673665	Fingerprint card reader, Prox, LED indicator			
293678636	Fingerprint card reader, Multi, LED indicator			
293673644	Fingerprint card reader, iClass, touchscreen			
293678678	Fingerprint card reader, Prox, touchscreen			
293678660	Fingerprint card reader, Multi, touchscreen			
293722319	Contactless 3D fingerprint card reader			
293744604	Facial recognition card reader			
ARD-FPBEW2-H3 Fingerprint card reader Multiclass				

### Compatibility

Wiegand RS485 Wiegand & RS485

## **Request-to-Exit**

DS160 (white) <u>Request-to-exit sensor, sounder (White)</u> DS161 (black) <u>Request-to-exit sensor, sounder (Black)</u>

## **Card container**

ACX-JOJCON01 Card container with yoyo

## **HIDprox credentials**

ACD-ISO CARD <u>HIDprox card</u> ACD-PROXCARDII <u>HIDprox clamshell card</u>

## **EM Credentials**

ACD-ATR11ISO <u>EM card</u> ACD-ATR14CS <u>EM clamshell card</u> ACA-ATR13 <u>EM RFID tag</u>

## **iCLASS** Credentials

ACD-ICL256-2ARiCLASS card ACD-ICL256-2ARACD-ICL2K-2ARiCLASS card ACD-ICL2K-2ARACD-ICL2K-16ARiCLASS card ACD-ICL2K-16ARACT-ICL256-2ARiCLASS keyfobACA-ICL256-2ARiCLASS adhesive tag

## **MIFARE Credentials**

ACD-MFC-ISO	MIFARE classic card
ACT-MFCTRF-SA1	MIFARE classic keyfob
ACD-EV1-ISO	MIFARE EV1 card
ACT-EV1TRF-SA1	MIFARE EV1 keyfob
ACD-EV3-ISO	MIFARE EV3 card
ACT-EV3TRF-SA1	MIFARE EV3 keyfob

## **Seos Credentials**

ACD-SEO8K26-50	<u>Seos card (26 bit)</u>
ACD-SEO8K37-50	<u>Seos card (37 bit)</u>
ACT-SEO8K26-10	Seos keyfob (26 bit)
ACT-SEO8K37-10	Seos keyfob (37 bit)

BACK