

proxEntry®

Access Control Readers and Credentials

Used by many of the world’s leading security businesses our access control components offer innovative design and functionality with card readers supporting the broadest range of proximity and smartcard technologies available. The reader is the most important part of an access control solution, forming the vital link between credentials and the access control system. As a leading specialist in the design and manufacturer of access control readers we provide class-leading migration and security levels with the latest proven standards-based data encryption with advanced methods of authentication. Project consultancy and tailored individual solutions are available.

Smart Cipher Box for maximum security

The Smart Cipher Box (SCB) is the connecting link between deister electronic readers and customized interface configurations.

Protocol and interface conversion is possible with an SCB to convert the internal "deBus" protocol to any desired synchronous or asynchronous customer protocol. That makes it possible for customers to use the entire range of deister electronic readers while retaining their own family of protocols.

The SCB offers a range of security mechanisms to implement safety-relevant systems in the field of access control; these include AES encrypted communication, decryption of smartframe-encrypted transponder data, direct communication with mifare EV1 cards and support for up to four SamX modules.

Numerous interfaces, such as trigger input and output, RS485 and open collector ensure simple integration in legacy access control systems while at the same time raising the level of security to state-of-the-art security standards.

Your benefits at a glance:

- **RS 485 interfaces for long cable runs**
- **Isolated I/O with SCB 2/3**
- **Converts Wiegand to highly secure serial communications**
- **AES encrypted communication to reader and controller**
- **Direct communication with mifare EV1 cards**
- **SamX module – protected cryptology and secure key management**



Technical data

Dimensions WxHxD:

SCB 1/3	59 x 41.5 x 14 mm
SCB 2/3	101 x 76 x 30 mm

Housing material:

ASH757R (SCB 1/3)
PC (SCB 2/3)

Protection class:

IP20

Operating temperature:

+5...+50°C

Relative humidity:

5...95%, non-condensing

Power supply:

12...24 VDC / max. 90mA

Signalling:

Yellow LED via internal control

Red and green LEDs via external and internal controls

Interfaces:

Open Collector, RS485

Protocols:

Wiegand, Magstripe, Data/Clock, various bidirectional protocols

Compatibility:

SCB 2/3

Rijkspas NL

Inputs:

SCB 2/3

1 x isolated trigger Input

Outputs:

SCB 2/3

1 x isolated trigger output,
1 x relay output to signal alarm