EXRead SCR-SKS G2

OSDP™ Verified RFID Card Reader

The EXRead SCR-SKS SD G2 reader is a secure keypad access reader for reading NFC smartcard credentials, designed, developed and manufactured by SystemHouse Solutions. It employs the Open Supervised Device Protocol communication over multidrop RS-485 and is suitable for a multitude of solutions together with accessories and a state-of-the-art configuration tool.

High-security RFID-reading options can be combined with legacy technologies to allow an easy upgrade path with a minimum of administration. The Secure Channel optionality provided by the OSDP™ gives you end-to-end encryption from the RFID credential via the RFID card reader to the access control system.
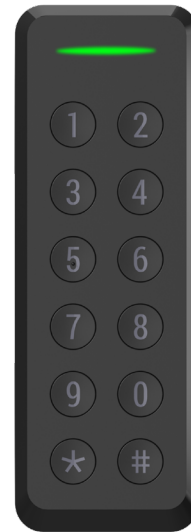
Art number: 44280385 EXRead SCR-SKS G2

Features

The EXRead SCR-SKS G2 have a tactile 2x6 button keypad with a configurable backlight, an RGB multi-colour LED light stripe status indication and an internal buzzer with adjustable sound levels. Proximity and ambient light sensors are utilised to provide an optimal user experience in varying light conditions. The device is designed with sturdy, tamper-proof housing for challenging environments meeting IP65 and IK10 requirements. Optimised for reading MIFARE® smartcard according to NXP and ISO 144443A, supports MIFARE sector reading, MAD1 and MAD2 for MIFARE Classic, MIFARE Plus and MIFARE DESFire EV1, EV2, EV3 and PKI credentials.

Support for EMV® Digital Access via mobile NFC wallet and contactless cards without apps or external service providers.

Easy installation is supported by a parted housing with a click-on cable connector, RS-485 termination selector and a built-in wall and opening tamper switch. Maintenance opening slots require a specialised tool, which is included with the delivery.

EXRead Configuration Tool

The EXRead Configuration Tool is developed for the OSDP™ RFID reader family to provide full control of the reader configuration options, what credentials to read and how to output this reading to the access control system. The configuration file can be saved, and encryption keys can be hidden to allow system owners to input encryption keys and then hide the keys for safekeeping. When a configuration is completed, it is securely communicated to the reader using configuration cards that are programmed from the EXRead Configuration Tool or by the FileTransfer option directly from ACU.

The RFID capabilities and configuration options allow for a multitude of reading options and combinations. Using the Configuration Tool, you can enable and disable what MIFARE unique identifiers (UID) the reader will read, combine with up to five MIFARE Classic or MIFARE Plus cards with data programmed on a sector and/ or up to five additional MIFARE DESFire data media programmed in an application.

Accessories

> Art. no. 44280220: Optional installation plate for mounting on metal
> Art. no. 44280222, 44280223: 15- and 30-degree mounting angle

> Contactless card reader with keypad

> High Security RFID reading capable of multiple MIFARE® DESFire® and PKI credentials

> EMV® Digital Access Support | NFC Mobile Wallet | Contactless Cards

> LED and internal buzzer for status indication

> Thin and elegant design, 21,5 mm thin with small footprint in sturdy construction for indoor and outdoor environments

> OSDP™ communication protocol with encrypted communication to the access control system

> EXRead Configuration Tool available to program the reader how to behave, what credentials to read and how to output readings to the access control system

> The RFID card readers are designed, developed and manufactured by SystemHouse Solutions within the EU

> Colour-matched accessories to the back part of the reader for a stylish installation

SystemHouse Solutions
SMARTER BUILDINGS, BETTER SECURITY

EXRead

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Technical data

Power supply, typical/min/max	24VDC/11VDC/30VDC
Power consumption, typical/max at 24V	17 mA/21 mA
Enclosure	IP65, IK10
LED-stripe type	RGB
Operating temperature	-25°C to +70°C
Dimensions NET (L/W/H)	131,6/45,6/21,5 mm
Weight NET	110 g
Colour	NCS 8500-N/NCS 6502-B

Specific technical data

Communication	RS-485/OSDP™
Reading distance	Up to 50 mm
Frequency range	13,56 MHz

Compliance

CE, RoHS and REACH

Article number

44280385	RFID card reader EXRead SCR-SKS G2, with keypad

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