



SCR-SD G2

OSDP™ RFID Card Reader

The OSDP™ range of RFID card readers, accessories and configuration tools are suitable for a multitude of solutions, such as time and attendance applications, pipe mailing systems, key cabinets etc., but are primarily intended for physical access control systems. High security RFID-reading options can be combined with legacy technologies to allow an easy upgrade in the security of what is read from a credential. At the other end, the Secure Channel optionality provided by the Open Supervised Device Protocol (OSDP™) gives you end-to-end encryption possibilities from the RFID credential via the RFID card reader to the access control system.

Art nr: 44280380

The SCR Configuration tool has been developed for the OSDP™ RFID reader family in order to configure the reader in how to behave, 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 key, so that an installer does not have access to encryption key viewing. When a configuration is completed, it is securely communicated to the reader using configuration cards that are programmed from the Configuration tool.

Features

The RFID capabilities and configuration options allow for a multitude of reading options and combinations using the 13.56MHz frequency. Using the Configuration tool you can enable and disable what MIFARE® unique identifier (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.

The SCR-SD G2 contactless card reader is communicating with access control units using the OSDP™ communication protocol, which makes it easy to connect and use with access control systems that also have this standard protocol implemented.

SCR-SD-G2 uses an RGB-type LED stripe and built-in buzzer to communicate statuses to the users and a colour display that can be used to communicate text messages or bitmaps that, for example, prompt the user to input their PIN-code on the keypad. Our implementation of OSDP™ allows for several coding standards of special text characters and manufacturer specific commands for presenting prompts or status bitmaps in the display.

The built-in mechanical tamper switch protects against unwanted opening of the enclosure and can also be used for indication that the reader has been removed from its original place of installation.

Compliances

The SCR-SD-G2 reader complies with the General Product Safety Directive 2001/95/EC, Radio Equipment Directive 2014/53/EU and the Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU, including the amended Annex II in 2015/863/EU (RoHS3) and thus fulfils the requirement for CE marking of the device.



- › Contactless card reader with keypad and colour display
- › High Security RFID reading capable of multiple MIFARE® DESFire® data objects
- › Elegant design (only 20 mm thick) in sturdy enclosure for indoor and outdoor environments
- › OSDP™ communication protocol provides interoperability and possibility of encrypted communication to the access control system
- › SCR Configuration tool available to program the reader how to behave, what credentials to read and how to output readings to the access control system
- › A wide range of accessories are available to assist with installation, ensure compliance or improve protection of the RFID card reader
- › The SCR cardreaders are designed, refined, manufactured and assembled within the EU

SCR-SD G2

Card reader

Technical data

Power supply, typical/min/max	24V DC/11 VDC/30 VDC
Power consumption, typical/max at 24V	50 mA/150 mA
Enclosure protection	IP54
Impact protection	IK09
Operating temperature	-40°C to +70°C
Display type & size	TFT 2.8"
Display resolution	240x320 pixels
Dimensions NET (L/W/H)	123.5/88/20 mm
Weight NET	150 g
Colour	NCS 8500-N/NCS 6502-B

Specific technical data

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

Article number

44280380	RFID card reader SCR-SD G2 with keypad and display
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