

ACTIVE TECHNOLOGY

DIGITAL SMART RELAY
3063



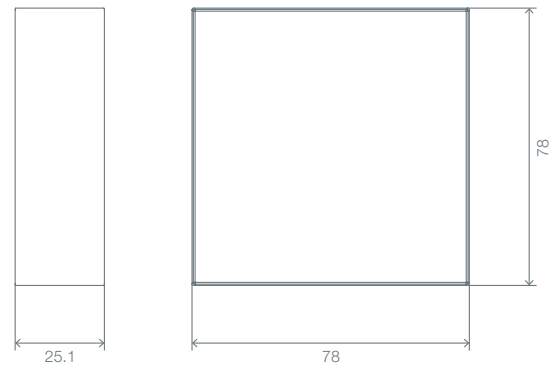
Simons  Voss

DIGITAL SMART RELAY 3063

G1

G2

Digital Smart Relay 3063 can serve as an access control reader or key switch. In System 3060, it opens electrically operated doors, gates and barriers, and switches lighting, heating and machines on and off. It transfers transponder data to external systems, such as time-and-attendance systems, cashless vending systems or facility management.



Measurements indicated in mm

TECHNICAL SPECIFICATIONS

- ⚡ Housing made of white plastic (polyamide 6.6)
Dimensions: 78 x 78 x 25.1 mm (H x W x D)
- ⚡ Housing made of black plastic (polyamide 6.6)
Dimensions: 55.4 x 71.8 x 25.1 mm (H x W x D)
- ⚡ Protection rating: IP20; not suitable for unprotected use outdoors
- ⚡ Typical reading range: up to 120 cm
- ⚡ Temperature range: Operational: -22 °C to +55 °C
- ⚡ Humidity: < 95 % without condensation
- ⚡ Circuit board dimensions: 50 x 50 x 14 mm (H x W x D)
- ⚡ Lock Node can be integrated into the Smart Relay housing for direct networking of Smart Relay-G2
- ⚡ Power supply voltage: 12 V AC (for SREL only) or 5–24 V DC (no polarity protection)
- ⚡ Power limitation Mains adapter must be limited to 15 V A
- ⚡ Standby current: < 5 mA
- ⚡ Max. current: < 100 mA
- ⚡ Pulse duration can be programmed between 0.1 and 25.5 sec.
- ⚡ Optional battery operation possible (for G1 and black housing only)
- ⚡ Winner of the Red Dot Design Award 2010

TECHNICAL SPECIFICATIONS FOR OUTPUT RELAY

- ⚡ Type: changeover contact; in SREL2: normally open contact (reversible)
- ⚡ Continuous current: max. 1.0 A
- ⚡ Switch-on current: max. 2.0 A
- ⚡ Switching voltage: max. 24 V
- ⚡ Switching power: 10⁶ activations at 24 V A
- ⚡ Multi-function connections F1, F2, F3: max. 24 V DC, max. 50 mA
- ⚡ Vibrations: 15 G for 11 ms, 6 shocks in accordance with IEC 68-2-27; not approved for permanent operation under vibrations

DIGITAL SMART RELAY 3063

Version with housing made from black plastic



Measurements indicated in mm

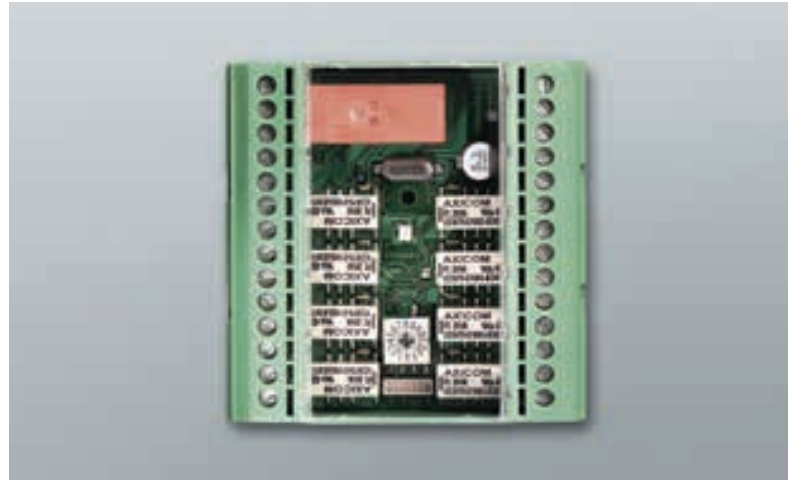
PRODUCT VERSIONS

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| Digital Smart Relay 3063 in black housing Basic version with integrated antenna, flip-flop function, repeater function, including backup battery | SREL |
| Digital Smart Relay 3063 in black housing, as basic version, but with G2 functions and connection for external antenna (SREL.AV) | SREL.G2 |
| Digital Smart Relay 3063 in black housing, as basic version, but with access control, time zone control and event logging. | SREL.ZK |
| Digital Smart Relay 3063 in black housing, as basic version, but with access control, time zone control, event logging, G2 functions and connection for external antenna (SREL.AV) | SREL.ZK.G2 |
| Version in white design housing, for surface mount; can be used together with WN(M).LN.I.SREL.G2 (so no connection for external antenna SREL.AV). | .W |
| Smart Relay Advanced (for G1 lock systems only) Version with integrated antenna, access control and time zone control, serial ports, bus-capable For connecting external modules, connection for external antenna (SREL.AV), connection for external LED/buzzer, flip-flop function, repeater function, including backup battery | SREL.ADV |
| External antenna for connecting Smart Relay Advanced versions and all G2 versions (cable 5 m long) | SREL.AV |
| Battery for Smart Relay in black housing, G1 or G2, (not for Gateway applications or together with direct networking) for operation without external power supply, including soldered connector cable, including plug connector to Smart Relay, lithium 1/2 AA battery | SREL.BAT |
| Lock Node which can be integrated into the white Smart Relay housing (for version *.W only) to directly network Smart Relay (can be retrofitted) | WN.LN.I.SREL.G2 |
| Lock Node which can be integrated into the white Smart Relay housing (for version *.W only) to directly network Smart Relay with auto-configuration (can be retrofitted) | WNM.LN.I.SREL.G2 |

DIGITAL SMART OUTPUT MODULE

G1

The Smart Output Module has eight isolated relay outputs and is connected to Smart Relay Advanced. It can be used to perform tasks such as directing a lift to different floors in a building.



TECHNICAL SPECIFICATIONS

- ⚡ Housing made of green plastic (polycarbonate)
- ⚡ Dimensions: 75 x 75 x 53 mm (H x W x D)
- ⚡ Protection rating: IP20; not suitable for unprotected use outdoors
- ⚡ Temperature range: Operational: 0 °C to +60 °C
In storage: 0 °C to +70 °C
- ⚡ Humidity: < 90 % without condensation
- ⚡ Power supply voltage: 11 to 15 V DC; recommended: 12 V DC, regulated
- ⚡ Power limitation: Mains adapter must be limited to 15 V A
- ⚡ Standby current: < 120 mA
- ⚡ Max. current: < 150 mA
- ⚡ Pulse duration can be programmed between 0.1 and 25.5 sec.
- ⚡ Output relay type: normally closed
- ⚡ Output relay and AUX relay permanent current: max. 1.0 A
- ⚡ Output relay and AUX relay starting current: max. 2.0 A
- ⚡ Output relay and AUX relay switching voltage: max. 24 V
- ⚡ Output relay switching performance: 10⁶ activations at 24 V A
- ⚡ Vibrations: 15 G for 11 ms, 6 shocks in accordance with IEC 68-2-27
- ⚡ Output 1 switching current: max. 1 A
- ⚡ Output 1 switching voltage: max. 24 V
- ⚡ Output 1 switching performance: max. 24 VA
- ⚡ Output 1 switching behaviour when voltage below target:
U_v < 10.5 +/- 0.5 V
- ⚡ Each Smart Relay Advanced can actuate up to 16 modules for a max. of 128 floors

PRODUCT VERSIONS

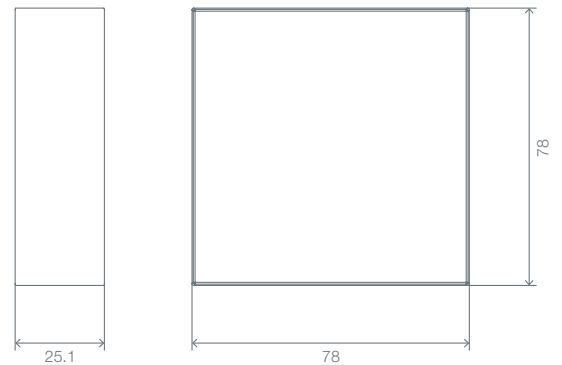
Smart Output Module
Additional module for the Smart Relay Advanced
with 8 relay outputs that can be switched using a transponder

MOD.SOM8

DIGITAL SMART RELAY 2 3063

G2

Digital Smart Relay 2 3063 is an electronic switch which can be activated with a SimonsVoss ID medium. Smart Relay thus performs the function of an access control reader or a key switch.



Measurements indicated in mm

- Instantly wireless network-ready

CUSTOMER BENEFIT

- Intelligent additional component for locking devices
- It can be used as a gateway in a virtual network

SYSTEM SPECIFICATIONS AND INTERDEPENDENCIES WITH OTHER PRODUCTS

LSM

- LSM 3.1 SP1 and higher

Network

- Virtual network and online
- You need to order the ZK version to use the product as a gateway in a virtual network

Miscellaneous

- Must be integrated into a G2 or mixed locking system.

TECHNICAL SPECIFICATIONS

- Housing made of white plastic (polyamide 6.6)
Dimensions: 78 x 78 x 19 mm (H x W x D)
Semi-transparent base plate
- Protection rating: IP 20,
IP54 as WP variant
(IP65 with additional seal for the cable inlet)
- Humidity: < 95 % without condensation
- Vibrations: 15 G for 11 ms,
6 shocks as per IEC 68-2-27
Not approved for use when subject to permanent vibrations
- Circuit board dimensions: 50 x 50 x 14 mm (H x W x D)
- Power supply voltage: 9-24 V DC
- Power limitation: mains adapter must be limited to 15 V A
- Standby current: < 100 mA
- Max. current: < 300 mA
- Pulse duration can be programmed between 1 and 25.5 sec.

DIGITAL
SMART RELAY 2
3063

TECHNICAL SPECIFICATIONS FOR OUTPUT RELAY

- ⚡ Type: NO contact
Normally open contact reversible
- ⚡ Permanent current: max. 1.0 A
- ⚡ Switch-on current: max. 2.0 A
- ⚡ Switching voltage: max. 24 V
- ⚡ Switching power: 10⁶ activations at 30 V A
- ⚡ Multi-function connections F1, F2, F3: max. 24 V DC, max. 50 mA
- ⚡ Loggable access events: 3,600 access events
200 access events as gateway
- ⚡ Time zone groups: 100+1
- ⚡ Number of transponders that can be managed per locking cylinder: up to 64,000
- ⚡ Networking capability: network-ready with integrated Lock Node (WN(M).LN.I.SREL2.G2) or via external Lock Node with added door monitoring function
- ⚡ Other: Can be used as gateway, freely configurable

PRODUCT VERSIONS

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| Digital Smart Relay 2 3063: Basic version in white housing, relay contact as NO contact (reversible to break contact); can only be operated with direct current (9 to 24 V DC); can be directly networked with integrated Lock Node (must be ordered separately), with connection available for an external antenna (SREL.AV) | SREL2.G2.W |
| As Smart Relay 2 basic version, but with access control, time zone control and event logging; can be used as a gateway for virtual transponder networking (active) in a WaveNet network | SREL2.ZK.G2.W |
| Digital Smart Relay 2 for transponders As Smart Relay 2 Basic Version, but with access control, time zone control and events logging. With serial port and the option of triggering the SREL2 by means of an external circuit (isolated NO contact). Can be used as gateway in a virtual network (active transponder). Designed to also house an internal MIFARE® card reader and able to connect one or two additional external MIFARE card readers. | SREL2.ZK.MH.G2.W |