

PASSIVE SMART CARD TECHNOLOGY

DIGITAL SMART RELAYS 2

3063

Simons  Voss



# DIGITAL SMART RELAY 2 3063

G2

Digital Smart Relay 2 3063 has been developed for system environments which use smart cards. It supports MIFARE® Classic, MIFARE® Plus and MIFARE® DESFire reader systems. Smart Relay 2 is an electronic switch which can be activated with a SimonsVoss ID medium (transponder or smart card), thus fulfilling the function of an access control reader or a key switch. In System 3060, it opens electrically operated doors, gates and barriers, and switches lighting, heating and machines on and off.

It transmits data from ID media to third-party systems, such as time-and-attendance systems, cashless vending systems or facility management systems.

- ⌘ Instantly wireless network-ready
- ⌘ Release also possible using an external signal (SREL2.ZK.MH.G2.W)

## CUSTOMER BENEFIT

- ⌘ Intelligent additional component for locking devices
- ⌘ Optional solution with integrated and external card readers for MIFARE® cards (Classic, DESFire, Plus)
- ⌘ Connection to third-party systems, e.g. barriers, gates, machines, time-and-attendance systems and access control readers
- ⌘ It can be used as a gateway in a virtual network

## SYSTEM SPECIFICATIONS AND INTERDEPENDENCIES WITH OTHER PRODUCTS

### LSM

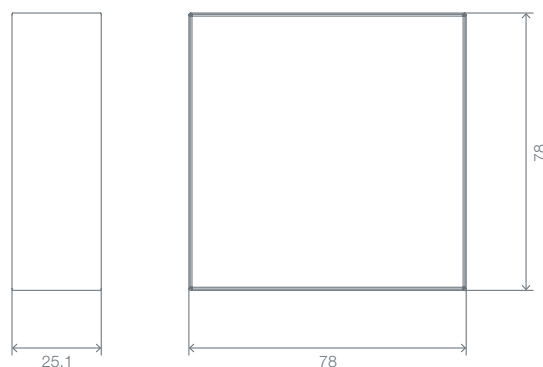
- ⌘ LSM 3.1 SP1 and higher

### Network

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

### Miscellaneous

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



Measurements indicated in mm

## 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
- ⌘ Continuous current: max. 1.0 A
- ⌘ Switch-on current: max. 2.0 A
- ⌘ Switching voltage: max. 24 V
- ⌘ Switching power: 10<sup>6</sup> 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

#### Digital Smart Relay 2 3063

for active transponders and also designed for use with passive smart cards.

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). With access control, time zone management 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. Can be used as gateway in a virtual network (passive smart cards).

SREL2.ZK.MH.G2.W

#### Smart card reader, internal

For inserting into the Smart Relay 2 relay circuit board for smart cards (SREL2.ZK.MH.G2.W), operated with MIFARE® Classic, MIFARE® Plus or MIFARE® DESFire smart cards

SC.M.I.G2

#### Smart card reader, external

For installation in a non-secured area; connection to Smart Relay 2 for smart cards via cable (not included in supply package; recommended cable type: Cat5); Smart Relay 2 operated with MIFARE® Classic, MIFARE® Plus or MIFARE® DESFire smart cards

SC.M.E.G2.W

Weatherproof version for external smart card readers, including connection cable (about 1 m long), IP54

.WP

'Network Inside' version with integrated Lock Node

WN(M).LN.I