



# SYSTEM 3060

## Product Catalogue



THE FINEST IN KEYLESS SECURITY

Valid from 01 September 2018

**Simons  Voss**  
technologies

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# UP INTO THE KEYLESS WORLD

Control digital access in just four steps

Do you always want to know who is coming in and out of your company? Do you need the capacity to respond in real time if a door in your building stays open when it's not supposed to?

This flexibility and security is offered to you by the KEYLESS WORLD of SimonsVoss.

Our sound digital authorisation concept controls access to the building transparently and reliably. Digital Locking

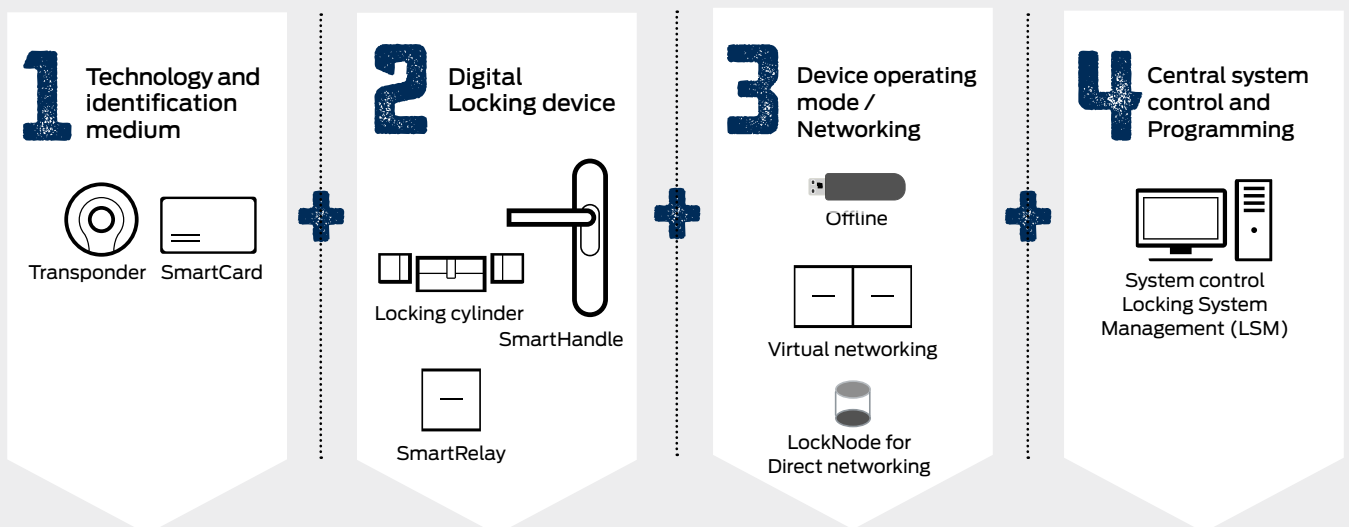
cylinders can be retrofitted without cables and at low cost and enable seamless logging of all accesses. Identification media such as transponders and SmartCard provide flexibility and comfort.

If a door is open at an unscheduled time, the DoorMonitoring function communicates anomalies in real time.

The combination of online management, monitoring and alarm functions is a consistent step towards greater security and transparency in building management of the future.

## HOW DIGITAL OPENING AND LOCKING WORK

Four key elements form the basis for System 3060



Transponders or SmartCards bundle the access rights of their owners.  
An identification signal is all that is needed to open and close the respective door.

All the intelligence is focused inside the digital locking device: It knows each and every access-authorized person and performs all monitoring and control functions for the door concerned.

How do you want to network the components in your locking system? Offline, virtually or online? Perhaps a nice mix? All options are open with System 3060.

The access authorisations are managed centrally with the LSM software and transferred to digital locking devices and identification media.

# THE COMPLETE WORLD OF DIGITAL LOCKING

Convenience, security and transparency with SimonsVoss locking systems

## // More control and security

At SimonsVoss, security implies much more than being able to deactivate lost keys instantly. Security also means that our electronic keys are protected against unauthorised copying. That you can control sensitive areas centrally with wireless door monitoring, and document every activation.

## // More convenience

An electronic key for all entrances and button-operated opening and locking provide door security with trouble-free access for your employees and visitors. You also have a complete overview of which users gain access through each door at particular times and can also modify access rights instantly and flexibly.

## // More quality

We have manufactured all components at our own production facility in Germany since our beginnings as a digital

locking technology pioneer. For us, quality Made in Germany means: Long service life and reliability of mechanical components, trouble-free operation –and, last but not least, minimum energy consumption.

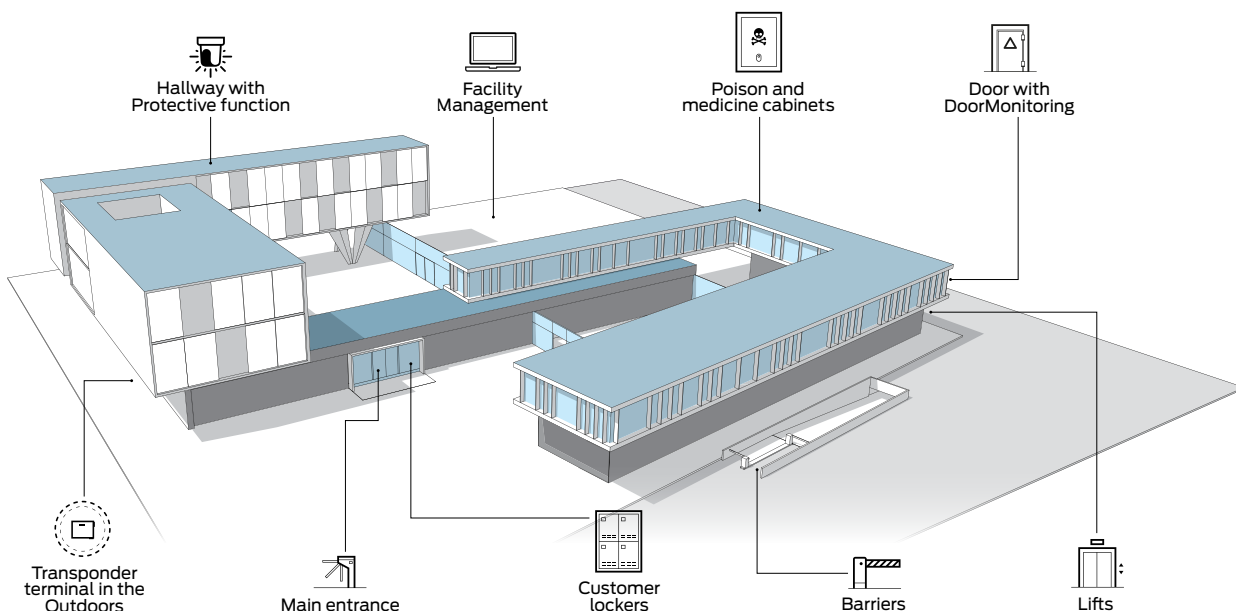
## // More service

Reliability builds trust. No matter whether Hotline, on-site or remote. Our service teams are there for you.

## // Completely future-proof investment

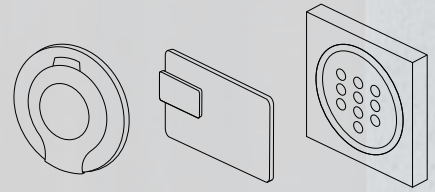
We have always taken an approach where all SimonsVoss locking systems can be upgraded with new software and new components at an affordable price, even years after initial installation. That's why we ensure our products and systems feature full backward and forward compatibility.

## SIMONSVOSS LOCKING SYSTEMS FOR VIRTUALLY ANY DOOR INSTALLATION



# ACTIVE TECHNOLOGY





ACTIVE TECHNOLOGY

# IDENTIFICATION MEDIA AND THEIR PROGRAMMING



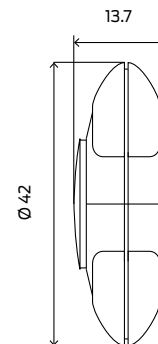


## TRANSPONDER 3064



Blue, red or brown, with bonded housing or consecutive numbering. There are virtually no limits to the variety of possible types of transponders: a password or fire service transponder, an explosion-proof design or one with an additional chip. Manage an incredible 304,000 locking devices with your transponder and open doors and gates up to a million times with a single battery.

The transponder is used for identification in System 3060 to operate digital locking cylinders, SmartHandles and SmartRelays.



Measurements indicated in mm

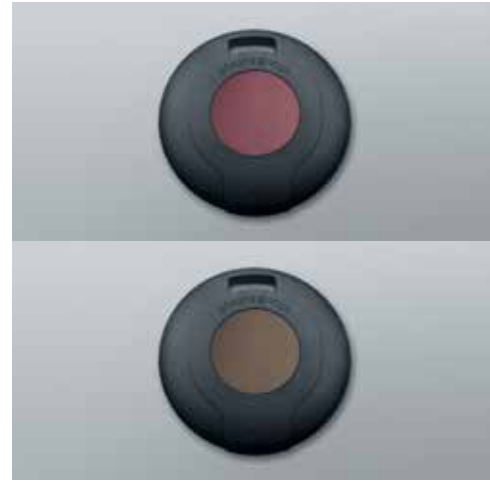
### // TECHNICAL SPECIFICATIONS

- ⌘ Housing made of black polyamide
- ⌘ Dimensions: 42 x 13.7 mm (Ø x H)
- ⌘ Standard protection rating IP65; with bonded housing: IP 66
- ⌘ Typical read range: up to 40 cm to the locking cylinder/ SmartHandle; up to 120 cm to Smart Relay
- ⌘ Battery type: 1 x CR2032 3V, lithium
- ⌘ Battery life:
  - up to 400,000 operations or
  - up to ten years on standby
- ⌘ Temperature range: -25 °C to +65 °C
- ⌘ Environmental class: III
- ⌘ Number of locking devices that can be managed per transponder:
  - Up to 304,000
- ⌘ Adjustable validity period (activation/deactivation):
  - more than 10 years
- ⌘ Storage of datasets:
  - 3 G1 and 4 G2 locking systems
- ⌘ Physical access list with up to 1,000 storable access events

## TRANSPONDER 3064

Transponder 3064 with dark red button

Transponder 3064 with brown button



### // PRODUCT VERSIONS

|   |                 |
|---|-----------------|
| Transponder 3064<br>with G2 functions as identification medium in Digital Locking System 3060; in a robust housing with blue button,<br>42 mm in diameter, protection rating IP65 | TRA2.G2         |
| Version with dark red button  | .RED            |
| Version with brown button (available as G2 version only)  | .BRAUN          |
| Version with consecutive numbering as per customer requirements.<br>up to six alpha-numerical characters possible; minimum order of 100 devices                                   | .NR.K           |
| Version with bonded housing   | .SPEZ           |
| Version for fire service key tube with G2 functions; a minimum inner diameter of 33 mm  | TRA.G2.FSR      |
| Switching transponder featuring G2 functions with two connection wires<br>used to connect transponder to an isolated contact on an external device                                | TRA2.G2.SCHALT  |
| Version approved for Explosion Protection Zone 1, certification: Intrinsic Safety ib, Zone 1, Group IIC, T3, II2G   | TRA2.G2.EX      |
| Version with additional EM® 4102 RFID inlay<br>(programmed by customer to operate third-party systems)  | .RFID.EM        |
| Version with additional EM® 4450 RFID inlay<br>(programmed by customer to operate third-party systems)  | .RFID.EM4450    |
| Version with additional HITAG® 1 RFID inlay<br>(programmed by customer to operate third-party systems)  | .RFID.HITAG     |
| Version with additional HITAG® 2 RFID inlay<br>(programmed by customer to operate third-party systems)  | .RFID.HITAG2    |
| Version with additional ATMEL® ATA5577 RFID inlay<br>(programmed by customer to operate third-party systems)  | .RFID.AT5577    |
| Version with additional HID® 1390 eProx RFID inlay<br>(programmed by customer to operate third-party systems)   | .RFID.HID       |
| Version with additional MIFARE® Classic (1k) RFID inlay<br>(programmed by customer to operate third-party systems)  | .RFID.MIFARE    |
| Version with additional MIFARE® DESFire® EV2 (8k) RFID inlay<br>(programmed by customer to operate third-party systems)   | .RFID.DESFIRE8K |

## TRANSPONDER 3064

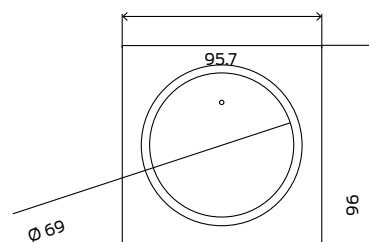
|   |                      |
|---|----------------------|
| Version with additional LEGIC® PRIME (MIM256) RFID inlay<br>(programmed by customer to operate third-party systems)                   | .RFID.LEGIC          |
| Version with additional LEGIC® PRIME (MIM1024) RFID inlay<br>(programmed by customer to operate third-party systems)                  | .RFID.LEGIC1024      |
| Version with additional LEGIC® Advant (128) RFID inlay<br>(programmed by customer to operate third-party systems)                     | .RFID.ADVANT         |
| Version with additional LEGIC® Advant (1024) RFID inlay<br>(programmed by customer to operate third-party systems)                    | .RFID.ADVANT1024     |
| Version with additional LEGIC® Advant (4096) RFID inlay<br>(programmed by customer to operate third-party systems)                    | .RFID.<br>ADVANT4096 |
| 10 lanyards<br>High-quality transponder cord in a SimonsVoss design to hang around neck,<br>with a metal clip to attach a transponder | TRA.BAND             |
| 5 transponder casings with blue button without electronics  | TRA.GH               |
| 5 transponder housing with dark red button without electronics  | TRA.GH.ROT           |
| 5 transponder casings with brown button without electronics   | TRA.GH.BRAUN         |
| 5 batteries for transponder (type: CR2032)  | TRA.BAT              |

## PIN CODE KEYPAD 3068 PIN CODE TERMINAL 3068



Open your doors using a 4- to 8-digit code. You can install the ultra-slim PIN code keypad both indoors and outdoors and even attach it to glass. No wiring is required. Save time and costs by issuing a special code for the entrance door for events such as seminars and evening meetings.

Even more security can be achieved with the PinCode terminal: Here the entry of the number combination can be combined with the transponder.



Measurements indicated in mm

### // TECHNICAL SPECIFICATIONS PIN CODE KEYPAD/TERMINAL 3068

- ⌘ Silver-coloured ABS plastic housing
- ⌘ Dimensions: 96 x 95.7 x 14 mm (H x W x D)
- ⌘ Weight: about 100 g including batteries
- ⌘ Standard protection rating IP 65
- ⌘ Typical read range: up to 40 cm to the locking cylinder/Smart-Handle; up to 120 cm to Smart Relay
- ⌘ Battery type: 2 x CR2032, 3V, lithium
- ⌘ Battery life: up to 100,000 operations or up to ten years on standby
- ⌘ 2-level battery warning system
- ⌘ Temperature range: -25 °C to +65 °C
- ⌘ Manipulation alarm
- ⌘ Activation of the SimonsVoss activation unit
- ⌘ Number of keypad users: 3 different PINs  
User number terminal: 500 different PINs
- ⌘ Cable-free surface mount
- ⌘ Received the IF Product Design Award 2006

### // PRODUCT VERSIONS

|  |                 |
|--|-----------------|
| PIN code keypad 3068 Battery-operated, wiring-free PIN code keypad as an identification medium in Digital Locking System 3060, 3 different PINs, silver-coloured ABS plastic housing, protection rating IP65                   | TRA.PINCODE     |
| PIN Code Terminal 3068 (for G2 systems) Battery-operated, wireless PIN code terminal as identification medium in Digital Locking System 3060, 500 different users, silver-coloured ABS plastic housing, protection rating IP65 | TRA.PC.TERMINAL |
| 5 batteries for PIN code keypad and PIN code terminal (type: CR 2032)  | TRA.BAT         |

ACTIVE TECHNOLOGY

# DIGITAL LOCKING CYLINDER 3061

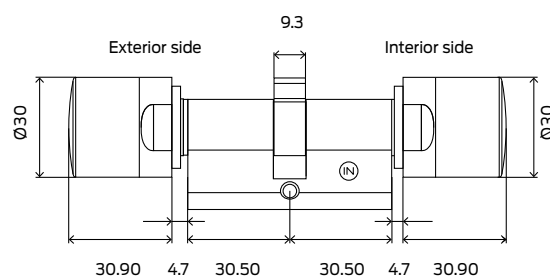


## DIGITAL EURO PROFILE DOUBLE THUMB-TURN CYLINDER 3061 – FD



Digital Locking Cylinder 3061 is a true all-rounder. In addition to opening and closing locking devices, it also offers a large number of intelligent functions with logging for up to 3,000 locking events, time zone control, event management and door monitoring, with the actual functions depending on the design fitted.

Integrated button cells provide power for up to 300,000 lock operations. As there is no wiring whatsoever, mounting and replacement is completed in next to no time, whether you are installing a cylinder for the first time or retrofitting. The cylinder can be operated offline, in a partially networked configuration or online in the WaveNet network.



Measurements indicated in mm

### // TECHNICAL SPECIFICATIONS

- ⚡ Standard Euro Profile cylinder as per DIN 18252 / EN 1303 / DIN EN 15684, stainless steel design, freely rotating on both sides
- ⚡ Thumb-turn diameter: 30 mm
- ⚡ Basic installation length: 30-30 mm (external/internal dimension)
- ⚡ Overall length: up to max. 140 mm (max. 90 mm on one side), Special lengths on request
- ⚡ Standard protection rating Standard protection rating IP54; .WP version; IP 66
- ⚡ Battery type: 2 x lithium, CR2450, 3 V
- ⚡ Battery life: up to 300,000 locking operations or up to ten years on standby
- ⚡ Temperature range: Operational  $-25\text{ }^{\circ}\text{C}$  to  $+65\text{ }^{\circ}\text{C}$   
Storage:  $-35\text{ }^{\circ}\text{C}$  to  $+50\text{ }^{\circ}\text{C}$
- ⚡ 3,000 access events can be logged
- ⚡ Time zone groups: 100+1
- ⚡ Number of transponders which can be managed per locking cylinder: up to 64,000
- ⚡ Number of locking devices which can be managed per locking cylinder: up to 304,000
- ⚡ Network-ready with integrated LockNode (network thumb-turn cover WNM.LN.I) or using external LockNode with added door monitoring function

DIGITAL EURO PROFILE  
DOUBLE THUMB-TURN CYLINDER  
3061 – FD

Version with button control

Brass version



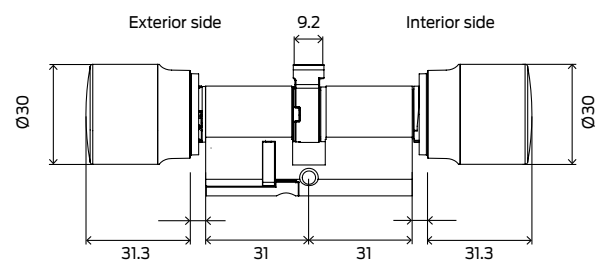
// PRODUCT VERSIONS

|   |                  |
|---|------------------|
| Digital Euro Profile Double Thumb-Turn Cylinder 3061 – FD with G2 functions<br>Installation length: 30-30 mm; freely rotating on both sides, stainless steel design; suitable for areas where the cylinder needs to be opened with a transponder from the inside and outside, e.g. entrance halls, exterior doors, inside rooms | Z4.30-30.FD.G2   |
| Brass design, for doors with brass-coloured fittings  | .MS              |
| Version with time zone control and event logging  | .ZK              |
| Version with "button control", for doors that can be operated from inside without transponder   | .TS              |
| Version with VdS approval, Class AZ, SKG approval SKG 3 stars, suitable for doors that require increased burglary protection, not available with ZK   | .SKG             |
| Version in VdS design<br>With access control, time zone control and event logging, VdS approval, Class BZ, SKG approval SKG, 3 stars, together with the block lock function in a installation<br>Can be used up to Class VdS C/SG 6   | .ZK.VDS          |
| Multi-point version, from installation length 35-30 mm, for use in doors with multi-point locks, cannot be combined with SKG and VdS  | .MR              |
| Fire-resistance version for range increase, for use in steel and fire doors   | .FH              |
| Weatherproof version<br>Protection rating IP66. For use on external doors and for doors exposed to strong splash water. From installation length 30-35 mm and longer, not in combination with TS, with MR only the electronic thumb-turn is sealed  | .WP              |
| Seawater resistant version (only available in conjunction with.WP), cannot be combined with.TS.,MR.,SKG and.VDS   | .SW              |
| Network thumb-turn cover for direct networking, stainless steel design, autoconfiguration   | WNM.LN.I         |
| <b>INSTALLATION LENGTHS (all length specifications: external - internal)</b>  |                  |
| Overall length from 65 mm to 80 mm  | e.g. Z4.40-40.FD |
| Overall length from 85 mm to 100 mm   | e.g. Z4.40-60.FD |
| Overall length over 100 mm up to max. 140 mm (max. 90 mm on one side)   | e.g. Z4.65-75.FD |
| Overall length over 140 mm or over 90 mm on one side  | On request       |
| <b>DIRECT NETWORKING</b>  |                  |
| Network Thumb-Turn Cover for direct networking; stainless steel design; version for auto-configuration; also suitable for retrofit  | WNM.LN.I         |
| Brass version   | .MS              |
| Network thumb-turn cover for direct networking in the design of Z4.KNAUF7 (stainless steel, diameter 35 mm, for difficult-to-open doors), version for autoconfiguration, also suitable for retrofitting   | WNM.LN.I.KNAUF7  |
| Network Thumb-Turn Cover for direct networking in Z4.KNAUF12 design (stainless steel; high-gloss, polished V4A); auto-configuration version; also suitable for retrofit   | WNM.LN.I.KNAUF12 |

# DIGITAL EURO PROFILE DOUBLE THUMB-TURN CYLINDER 3061 – ANTI-PANIC 2



The anti-panic cylinder has been specially developed for use along escape and rescue routes. The new AP2 cylinder is freely rotating on both sides, so that the lock can be locked and unlocked from both sides using an authorised transponder. In a panic situation, however, the door can be opened without a transponder using the anti-panic lock function. It may only be fitted into locks which list the cylinder in their approval.



Measurements indicated in mm

## // TECHNICAL SPECIFICATIONS

- ⚡ Euro Profile anti-panic cylinder as per DIN 18252 / EN 1303 / DIN EN 15684
- ⚡ Thumb-turn diameter: 30 mm
- ⚡ Basic installation length: 30-30 mm (external/internal dimension)
- ⚡ Overall length: up to 140 mm (max. 90 mm on one side), special lengths on request
- ⚡ Standard protection rating Standard protection rating IP54; .WP version (electronic thumb-turn): IP 66
- ⚡ Battery type: 2 x lithium, CR2450, 3 V
- ⚡ Battery life: up to 300,000 locking operations or up to ten years on standby
- ⚡ Temperature range: Operational  $-25\text{ °C}$  to  $+65\text{ °C}$   
Storage:  $-35\text{ °C}$  to  $+50\text{ °C}$
- ⚡ 3,000 access events can be logged
- ⚡ Time zone groups:  
G2: 100+1
- ⚡ Number of transponders that can be managed per locking cylinder: up to 64,000
- ⚡ Number of locking operations that can be managed per transponder: up to 304,000
- ⚡ Can be directly networked with integrated LockNode (Network thumb-turn cover WNM.LN.I) or via external LockNode with additional door monitoring function



DIGITAL EURO PROFILE  
DOUBLE THUMB-TURN CYLINDER  
3061 – ANTI-PANIC 2

// PRODUCT VERSIONS

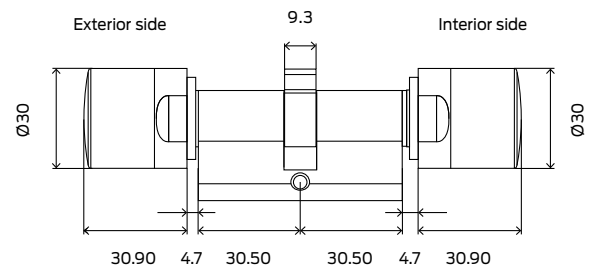
|   |                        |
|---|------------------------|
| Digital Euro Profile Double Thumb-Turn Cylinder 3061 – Anti-panic 2 with G2 functions, Installation length: 30-30 mm; freely rotating on both sides; stainless steel design; suitable for use in anti-panic locks   | Z4.30-30.AP2.FD.G2     |
| Brass design, for doors with brass-coloured fittings  | .MS                    |
| Version with access control, time zone control and event logging  | .ZK                    |
| Version with "button control", for doors that can be operated from the inside without transponder (installation length from 35-30)  | .TS                    |
| Version with VdS approval, Class AZ, SKG approval SKG 3 stars, suitable for doors that require increased burglary protection, not available with ZK   | .SKG                   |
| Version in VdS design<br>From installation length 35–30 mm, with access control, time zone control and event logging, VdS class BZ approval, SKG approval SKG 3 stars ; can be used together with block lock function in a suitable installation up to class VdS C/SG 6 | .ZK.VDS                |
| Fire-resistance version for range increase, for use in steel and fire doors   | .FH                    |
| Weatherproof version<br>Protection rating IP 66 (only electronic thumb-turn) For use on external doors and doors exposed to strong splash water. From installation length 30–35 mm and longer, not in combination with .TS  | .WP                    |
| For version without inside thumb-turn; not available in combination with TS, SKG and ZK.VDS; suitable for doors fitted with a panic bar on the inside, for example; available for AP2 cylinders only; inside length is always 30 mm                                     | .OK                    |
| Network thumb-turn cover for direct networking, stainless steel design, autoconfiguration   | WNM.LN.I               |
| <b>INSTALLATION LENGTHS (all length specifications: external - internal)</b>  |                        |
| Overall length from 65 mm to 80 mm  | e.g. Z4.40-40.AP / AP2 |
| Overall length from 85 mm to 100 mm   | e.g. Z4.40-55.AP / AP2 |
| Overall length over 100 mm up to max. 140 mm (max. 90 mm on one side)   | e.g. Z4.50-55.AP / AP2 |
| Overall length over 140 mm or over 90 mm on one side  | On request             |
| <b>DIRECT NETWORKING</b>  |                        |
| Network Thumb-Turn Cover for direct networking; stainless steel design; version for auto-configuration; also suitable for retrofit  | WNM.LN.I               |
| Brass version   | .MS                    |
| Network thumb-turn cover for direct networking in the design of Z4.KNAUF7 (stainless steel, diameter 35 mm, for difficult-to-open doors), version for autoconfiguration, also suitable for retrofitting   | WNM.LN.I.KNAUF7        |
| Network Thumb-Turn Cover for direct networking in Z4.KNAUF12 design (stainless steel; high-gloss, polished V4A); auto-configuration version; also suitable for retrofit   | WNM.LN.I.KNAUF12       |

# DIGITAL EURO PROFILE DOUBLE THUMB-TURN CYLINDER 3061 – COMFORT



Digital locking cylinder with enclosed electronics assembly as per DIN 18252 / DIN EN 15684 / EN 1303

- ⚡ Inner side is permanently engaged
- ⚡ Electronics side outside
- ⚡ Freely programmable
- ⚡ Active transponder used as medium
- ⚡ Access control, time zone management and event logging
- ⚡ Versions with IP66 weather protection rating
- ⚡ Can be directly networked with a retrofit replacement thumb-turn cover



Measurements indicated in mm

## // TECHNICAL SPECIFICATIONS

- ⚡ Standard Euro Profile cylinder as per DIN 18252 / EN 1303 / DIN EN 15684
- ⚡ Thumb-turn diameter: 30 mm
- ⚡ Basic installation length: 30-30 mm (external/internal dimension)
- ⚡ Overall length: up to 140 mm (max. 90 mm on one side), special lengths on request
- ⚡ Standard protection rating Standard protection rating IP54; .WP version: IP66
- ⚡ Battery type: 2 x lithium, CR2450, 3 V
- ⚡ Battery life: up to 300,000 locking operations or up to ten years on standby
- ⚡ Temperature range: Operational  $-25\text{ }^{\circ}\text{C}$  to  $+65\text{ }^{\circ}\text{C}$   
Storage:  $-35\text{ }^{\circ}\text{C}$  to  $+50\text{ }^{\circ}\text{C}$
- ⚡ 3,000 access events can be logged
- ⚡ Time zone groups:  
G2: 100+1
- ⚡ Number of transponders which can be managed per locking cylinder:  
G2: up to 64,000
- ⚡ Number of locking devices which can be managed per transponder:  
G2: up to 304,000
- ⚡ Can be directly networked with integrated LockNode (Network thumb-turn cover WNM.LN.I) or via external LockNode with additional door monitoring function

DIGITAL EURO PROFILE  
DOUBLE THUMB-TURN CYLINDER  
3061 – COMFORT

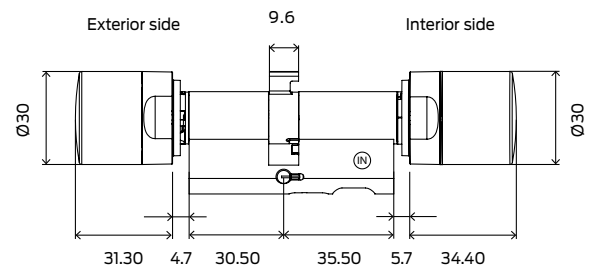
// PRODUCT VERSIONS

|   |                  |
|---|------------------|
| <p>Digital Euro Profile Double Thumb-Turn Cylinder 3061 – Comfort with G2 functions<br/>Installation length: 30-30 mm; non-electronics side is permanently engaged, so can be opened from the inner side without transponder, stainless steel design; suitable for office doors, apartment entrance doors and building entrance doors</p> | Z4.30-30.CO.G2   |
| <p>Brass design, for doors with brass-coloured fittings</p>   | .MS              |
| <p>Version with access control, time zone control and event logging</p>   | .ZK              |
| <p>Multi-point version for use in doors with multi-point locks</p>  | .MR              |
| <p>Weatherproof version, protection rating IP 66 (for 30-30 mm length only the electronic thumb-turn is sealed). For use in exterior doors and doors which are exposed to heavy splashing water. For installation lengths 30-30 mm and above</p>  | .WP              |
| <p>Seawater-resistant version (only available in conjunction with.WP), cannot be combined with MR</p>   | .SW              |
| <p>Network thumb-turn cover for direct networking, stainless steel design, autoconfiguration</p>  | WNM.LN.I         |
| <p><b>INSTALLATION LENGTHS (all length specifications: external - internal)</b></p>   |                  |
| <p>Overall length from 65 mm to 80 mm</p>   | e.g. Z4.40-40.CO |
| <p>Overall length from 85 mm to 100 mm</p>  | e.g. Z4.40-60.CO |
| <p>Overall length over 100 mm up to max. 140 mm (max. 90 mm on one side)</p>  | e.g. Z4.65-75.CO |
| <p>Overall length over 140 mm or over 90 mm on one side</p>   | On request       |
| <p><b>DIRECT NETWORKING</b></p>   |                  |
| <p>Network Thumb-Turn Cover for direct networking; stainless steel design; version for auto-configuration; also suitable for retrofit</p>   | WNM.LN.I         |
| <p>Brass version</p>  | .MS              |
| <p>Network thumb-turn cover for direct networking in the design of Z4.KNAUF7 (stainless steel, diameter 35 mm, for difficult-to-open doors), version for autoconfiguration, also suitable for retrofitting</p>  | WNM.LN.I.KNAUF7  |
| <p>Network Thumb-Turn Cover for direct networking in Z4.KNAUF12 design (stainless steel; high-gloss, polished V4A); auto-configuration version; also suitable for retrofit</p>  | WNM.LN.I.KNAUF12 |

# DIGITAL EURO PROFILE DOUBLE THUMB-TURN CYLINDER 3061 – DOOR MONITORING



Digital Locking Cylinder 3061 is setting completely new benchmarks in building security with its door monitoring design. Besides a locking and access control function, this cylinder also offers you a compact door monitoring system. A sensor in the fastening screw reliably monitors the door status and any changes to this status. Open, closed, deadbolts completely retracted or extended, locked once or twice or open for too long – this information is actively forwarded via WaveNet to the LSM Locking System Management system software where it is processed.



Measurements indicated in mm



## // ADVANTAGES

- ⚡ Standard Euro Profile cylinder as per DIN 18252/ EN 1303/ DIN EN 15684 / EN 1303 for fitting into Euro profile locks as per DIN 18251. Approval for fitting into locks as per DIN 18250
- ⚡ Cable-free door monitoring
- ⚡ Easy to retrofit, easy to install
- ⚡ Overview showing status of monitored doors via mouse click
- ⚡ Reporting of critical events such as attempted manipulation and non-locking of doors to restricted access areas, etc.
- ⚡ Seamless integration into the SimonsVoss solutions portfolio

## // HOW IT WORKS

The monitoring cylinder is based on the existing standard FD Cylinder and has been equipped with the following new functions:

### Detection of the door opening status via a sensor in the fastening screw

- ⚡ A permanent magnet is attached to the door frame. The external magnetic field is detected by the sensor in the fastening screw.

### Locking status detected via the cam

- ⚡ A sensor in the cylinder monitors cam rotations and detects the position of the dead bolt

### Capturing and processing information

- ⚡ The electronics in the thumb-turn processes all information and either saves it there and/or forwards it to the LSM via the WaveNet

### Analysed by LSM

- ⚡ The current door statuses in all door monitoring cylinders are displayed in the matrix in LSM\*
- ⚡ Each status change in all door monitoring cylinders in a locking system is recorded in a list
- ⚡ Alarms can be transmitted by email, mobile text message or a pop-up window in conjunction with an event agent during the monitoring period.\* These can alert to events such as door manipulation, unauthorised access attempts or when door opening intervals are exceeded

DIGITAL EURO PROFILE  
DOUBLE THUMB-TURN CYLINDER  
3061 – DOOR MONITORING



// RECORDING OF MONITORING DATA

The DoorMonitoring Cylinder records the following information:

- ⌘ Door open or closed
- ⌘ Detection of a break-in attempt/manipulation using a non-system magnet on a locked door
- ⌘ Door bolted or securely locked
- ⌘ Cylinder opening by authorised transponder
- ⌘ Attempted entry using a non-authorised transponder
- ⌘ Logging of date and time

// SYSTEM SPECIFICATIONS AND INTERDEPENDENCIES WITH OTHER PRODUCTS

**LSM (Version 3.2 and higher)**

- ⌘ LSM Basic (only possible to log door statuses)
- ⌘ LSM Business or LSM Professional for online monitoring together with LSM Network xx, LSM Online
- ⌘ Optional LSM DM Calibrate to help install the DoorMonitoring Cylinder

**Network**

- ⌘ The WaveNet network is required for online monitoring

**Other information**

- ⌘ An intelligent fastening screw must be ordered to accompany the cylinder, the length of which depends on the backset

// TECHNICAL SPECIFICATIONS

- ⌘ Euro Profile DoorMonitoring Cylinder as per DIN 18252 / EN 1303 / DIN EN 15684, stainless steel design, freely rotating on both sides
- ⌘ Thumb-turn diameter: 30 mm
- ⌘ Basic installation length: 30-35 mm (external/internal dimension)
- ⌘ Overall length: up to 140 mm (max. 90 mm on one side), special lengths on request
- ⌘ Standard protection rating Standard protection rating IP54; .WP version (electronic thumb-turn): IP 66
- ⌘ Battery type: 2 x lithium, CR2450, 3 V
- ⌘ Temperature range: Operational -25 °C to +65 °C  
Storage: -35 °C to +50 °C
- ⌘ About 800 door statuses can be stored
- ⌘ Time zone groups: 100+1
- ⌘ Up to 64,000 transponders can be managed per locking cylinder
- ⌘ Up to 304,000 lock operations can be managed per transponder
- ⌘ Network-ready with integrated LockNode (Network thumb-turn cover WNM.LN.I)

DIGITAL EURO PROFILE  
DOUBLE THUMB-TURN CYLINDER  
3061 – DOOR MONITORING

// PRODUCT VERSIONS

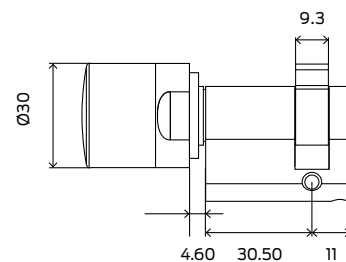
|  |  |
|--|--|
| <p>Digital Euro Profile Double Thumb-Turn Cylinder 3061 – DM DoorMonitoring with G2 functions<br/>Installation length: 30-35 mm; freely rotating on both sides; includes access control, time zone management and events logging; stainless steel design; suitable for use in doors which require extra surveillance, such as entrance doors, laboratory doors, doors to server rooms<br/>Important: Not suitable for multi-lock systems with gears. For networking, an additional network cover (WNM.LN.I) is required.</p> | Z4.30-35.DM.FD.ZK.G2                       |
| <p>Digital Euro Profile Double Thumb-Turn Cylinder 3061 - DM DoorMonitoring - anti-panic, for use in panic locks with G2 function, otherwise as described under .DM.FD</p>   | Z4.30-35.DM.AP2.FD.ZK.G2                   |
| <p>Intelligent fastening screw for DoorMonitoring cylinders</p>  | See under Accessories for active cylinders |
| <p>Brass design; suitable for doors with brass-coloured door fittings (can only be supplied for DM.FD)</p>   | .MS  |
| <p>"Button control" version; suitable for doors which need to be opened from the inner side without transponder, such as office doors and apartment entrance doors</p>   | .TS  |
| <p>Multi-point design, from installation length 35-35 mm, for use in doors with multi-point locks (only available for DM.FD)</p>   | .MR  |
| <p>Fire-resistance version for range increase, for use in steel and fire doors</p>   | .FH  |
| <p>Version with IP 66 weather protection rating (electronic thumb turn). For use in exterior doors and doors which are exposed to heavy splashing water. Not in combination with TS.</p>   | .WP  |
| <p><b>INSTALLATION LENGTHS (all length specifications: external - internal)</b></p>  |  |
| <p>Overall length from 70 mm to 80 mm</p>  | e.g. Z4.40-40.DM.FD                        |
| <p>Overall length from 85 mm to 100 mm</p>   | e.g. Z4.40-60.DM.FD                        |
| <p>Overall length over 100 mm up to max. 140 mm (max. 90 mm on one side)</p>   | e.g. Z4.65-75.DM.FD                        |
| <p>Overall length over 140 mm or over 90 mm on one side</p>  | On request                                 |
| <p><b>DIRECT NETWORKING</b></p>  |  |
| <p>Network Thumb-Turn Cover for direct networking; stainless steel design; version for auto-configuration; also suitable for retrofit</p>  | WNM.LN.I                                   |
| <p>Brass version</p>   | .MS  |
| <p>Network thumb-turn cover for direct networking in the design of Z4.KNAUF7 (stainless steel, diameter 35 mm, for difficult-to-open doors), version for autoconfiguration, also suitable for retrofitting</p>   | WNM.LN.I.KNAUF7                            |
| <p>Network Thumb-Turn Cover for direct networking in Z4.KNAUF12 design (stainless steel; high-gloss, polished V4A); auto-configuration version; also suitable for retrofit</p>   | WNM.LN.I.KNAUF12                           |

## DIGITAL EURO PROFILE HALF CYLINDER 3061



Digital half cylinder with an enclosed electronics assembly as per DIN 18252 / DIN EN 15684 / EN 1303 for special applications, such as use on garage doors or in lockers:

- ⌘ Self-locking half cylinder (.SL) for use in swivel lever handles for circuit and server cabinets
- ⌘ Active transponder used as medium
- ⌘ Access control, time zone management and event logging
- ⌘ Versions with IP66 weather protection rating
- ⌘ Can be directly networked with a retrofit replacement thumb-turn cover



Measurements indicated in mm

### // TECHNICAL SPECIFICATIONS

- ⌘ Standard Euro Profile cylinder as per DIN 18252 / EN 1303 / DIN EN 15684
- ⌘ Thumb-turn diameter: 30 mm
- ⌘ Basic installation length: 30-10 mm
- ⌘ Overall length: up to 100 mm (outside max. 90 mm); special lengths on request
- ⌘ Standard protection rating Standard protection rating IP54; .WP version (thumb-turn): IP 66
- ⌘ Battery type: 2 x lithium, CR2450, 3 V
- ⌘ Battery life: up to 300,000 locking operations or up to ten years on standby
- ⌘ Temperature range: Operational  $-25\text{ }^{\circ}\text{C}$  to  $+65\text{ }^{\circ}\text{C}$   
Storage:  $-35\text{ }^{\circ}\text{C}$  to  $+50\text{ }^{\circ}\text{C}$
- ⌘ 3,000 access events can be logged
- ⌘ Time zone groups:  
G2: 100+1
- ⌘ Number of transponders which can be managed per locking cylinder:  
G2: up to 64,000
- ⌘ Number of locking devices which can be managed per transponder:  
G2: up to 304,000
- ⌘ Can be directly networked with integrated LockNode (Network thumb-turn cover WNM.LN.I) or via external LockNode with additional door monitoring function

## DIGITAL EURO PROFILE HALF CYLINDER 3061

### // PRODUCT VERSIONS

Digital Euro Profile Half Cylinder 3061 with G2 functions

Installation length: 30-10 mm; thumb-turn not detachable, stainless steel design; suitable for cupboards and lockers

Z4.30-10.HZ.G2

Half cylinder with self-locking; not in combination with MR, MS, DK and WP

.SL

Brass design, suitable for doors with brass-coloured fittings, installation length from 35-10 mm

.MS

Version with access control, control and event logging

.ZK

Version with detachable thumb-turn, suitable e.g. for fitting behind cover plates without profile cylinder perforation

.DK

Half cylinder in multi-point design, for use in doors with multi-point locks, removable thumb-turn

.MR

Version with IP 66 weather protection rating (thumb-turn). For use in exterior doors and doors which are exposed to heavy splashing water

.WP

Seawater-resistant version (only available in conjunction with WP), cannot be combined with MR

.SW

Version with shortened range

.VR

#### INSTALLATION LENGTHS (all length specifications: external – internal)

Overall length from 45 mm to 70 mm

e.g. Z4.60-10.HZ

Overall length from 75 mm to 100 mm (max. 90 mm on outside!)

e.g. Z4.80-10.HZ

Installation length over 90 mm on outside

On request

#### DIRECT NETWORKING

Network Thumb-Turn Cover for direct networking; stainless steel design; version for auto-configuration; also suitable for retrofit

WNM.LN.I

Brass version

.MS

Network thumb-turn cover for direct networking in the design of Z4.KNAUF7 (stainless steel, diameter 35 mm, for difficult-to-open doors), version for autoconfiguration, also suitable for retrofitting

WNM.LN.I.KNAUF7

Network Thumb-Turn Cover for direct networking in Z4.KNAUF12 design (stainless steel; high-gloss, polished V4A); auto-configuration version; also suitable for retrofit

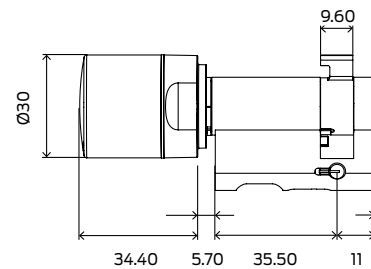
WNM.LN.I.KNAUF12



## DIGITAL EURO PROFILE HALF CYLINDER 3061 – DOOR MONITORING



Digital Locking Cylinder 3061 is setting new benchmarks in building security thanks to its door monitoring design. Besides a locking and access control function, this cylinder also offers you a compact door monitoring system. A sensor in the fastening screw reliably monitors status and any changes to the status of the door. Open, closed, deadbolts completely retracted or extended, locked once or twice or open for too long – this information is actively forwarded via WaveNet to the LSM Locking System Management system software where it is processed.



Measurements indicated in mm

### // TECHNICAL SPECIFICATIONS

- ⚡ Euro Profile DoorMonitoring Half Cylinder as per DIN 18252 EN 1303 / DIN EN 15684, stainless steel design, freely rotating on both sides
- ⚡ Thumb-turn diameter: 30 mm
- ⚡ Basic installation length: 35-10 mm (external/internal dimension)
- ⚡ Overall length: up to 100 mm (max. 90 mm on one side), special lengths on request
- ⚡ Standard protection rating: IP54; .WP version (thumb-turn): IP 66
- ⚡ Battery type: 2 x lithium, CR2450, 3 V
- ⚡ Temperature range: Operational  $-25^{\circ}\text{C}$  to  $+65^{\circ}\text{C}$   
Storage:  $-35^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$
- ⚡ About 800 door statuses can be stored
- ⚡ Time zone groups: 100+1
- ⚡ Up to 64,000 transponders can be managed per locking cylinder
- ⚡ Up to 304,000 lock operations can be managed per transponder
- ⚡ Network-ready with integrated LockNode (Network thumb-turn cover WNM.LN.I)

DIGITAL EURO PROFILE  
HALF CYLINDER  
3061 – DOOR MONITORING

// PRODUCT VERSIONS

|  |  |
|--|--|
| <p>Digital Euro Profile Half thumb-turn Cylinder 3061 – DM DoorMonitoring with G2 functions<br/>Installation length: 35-10 mm; thumb-turn not detachable, IP65 thumb-turn; includes access control, time zone control and event logging; suitable for cupboards or lockers which require extra surveillance<br/>Important: Not suitable for multi-lock systems with gears. For networking, an additional network cover (WNM.LN.I) is required.</p> | Z4.35-10.DM.HZ.ZK.G2                       |
| <p>Intelligent fastening screw for DoorMonitoring cylinders</p>  | See under Accessories for active cylinders |
| <p>Brass design, suitable for doors with brass-coloured fittings, installation length from 35-10 mm</p>  | .MS  |
| <p>Version with access control, time zone control and logging, from length 35-10 mm</p>  | .ZK  |
| <p>Version with IP 66 weather protection rating (thumb-turn). For installation in exterior doors and doors which are exposed to heavy splashing water.</p>   | .WP  |
| <p><b>INSTALLATION LENGTHS (all length specifications: external – internal)</b></p>  |  |
| <p>Overall length from 50 mm to 70 mm</p>  | e.g. Z4.60-10.HZ                           |
| <p>Overall length over 70 mm up to 100 mm (max. 90 mm on outside)</p>  | e.g. Z4.80-10.HZ                           |
| <p>Installation length over 90 mm on outside</p>   | On request                                 |
| <p><b>DIRECT NETWORKING</b></p>  |  |
| <p>Network Thumb-Turn Cover for direct networking; stainless steel design; version for auto-configuration; also suitable for retrofit</p>  | WNM.LN.I                                   |
| <p>Brass version</p>   | .MS  |
| <p>Network thumb-turn cover for direct networking in the design of Z4.KNAUF7 (stainless steel, diameter 35 mm, for difficult-to-open doors), version for autoconfiguration, also suitable for retrofitting</p>   | WNM.LN.I.KNAUF7                            |
| <p>Network Thumb-Turn Cover for direct networking in Z4.KNAUF12 design (stainless steel; high-gloss, polished V4A); auto-configuration version; also suitable for retrofit</p>   | WNM.LN.I.KNAUF12                           |

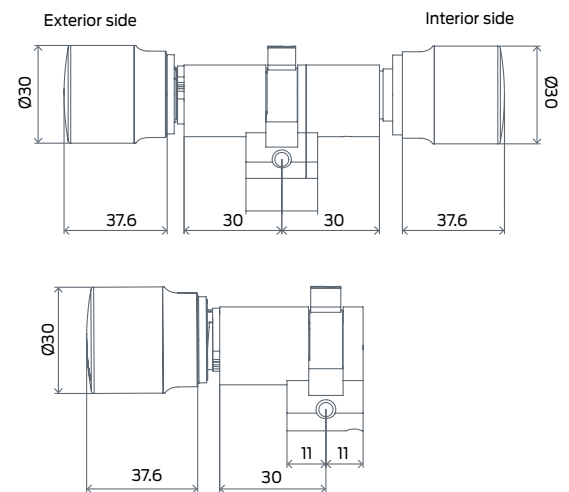
# DIGITAL SWISS CYLINDER 3061

Digital SwissRound Cylinder 3061 – Comfort

Digital SwissRound Half Cylinder 3061



Digital cylinder with an enclosed electronics assembly with Swiss Round profile. For special applications, e.g. use on garage doors or in lockers.



Measurements indicated in mm

## // TECHNICAL SPECIFICATIONS

- :: Swiss Round Comfort and Half Cylinder
- :: Thumb-turn on half cylinder detachable
- :: Thumb-turn diameter: 30 mm
- :: Basic installation length: Comfort cylinder: 30-30 mm, half cylinder 30-10 mm
- :: Overall length: up to max. 100 mm (outside max. 90 mm), Special lengths on request
- :: Standard protection rating Standard protection rating IP54; .WP version (thumb-turn): IP 66
- :: Battery type: 2 x lithium, CR2450, 3 V
- :: Battery life: up to 300,000 locking operations or up to ten years on standby
- :: Temperature range: Operational -25 °C to +65 °C  
Storage: -35 °C to +50 °C
- :: 3,000 access events can be logged

- :: Time zone groups:  
G2: 100+1
- :: Number of transponders that can be managed per locking cylinder:  
up to 64,000
- :: Number of locking operations that can be managed per transponder:  
up to 304,000
- :: Can be directly networked with integrated LockNode (Network thumb-turn cover WNM.LN.I) or via external LockNode with additional door monitoring function

## DIGITAL SWISS CYLINDER 3061

### // PRODUCT VERSIONS

|  |                   |
|--|-------------------|
| Digital Swiss Round Cylinder 3061 – Comfort with G2 functions, inside thumb-turn operational without transponder, installation length -30 mm, stainless steel design | Z4.SR.30-30.CO.G2 |
|--|-------------------|

|   |                   |
|---|-------------------|
| Digital Swiss Round Half Cylinder 3061 with G2 functions<br>Installation length 30-10 mm; thumb-turn detachable, stainless steel design | Z4.SR.30-10.HZ.G2 |
|---|-------------------|

|   |     |
|---|-----|
| Brass design; suitable for doors with brass-coloured door fittings, can only be supplied for Swiss Round Comfort cylinder | .MS |
|---|-----|

|  |     |
|--|-----|
| Version with access control, time zone control and event logging | .ZK |
|--|-----|

|   |     |
|---|-----|
| Multi-point version for use in doors with multi-point locks; can only be supplied for Swiss Round half cylinder | .MR |
|---|-----|

|   |     |
|---|-----|
| Version with IP 66 weather protection rating (electronic thumb turn only).<br>For use in exterior doors and doors which are exposed to heavy splashing water. | .WP |
|---|-----|

|   |          |
|---|----------|
| Network thumb-turn cover for direct networking, stainless steel design, autoconfiguration | WNM.LN.I |
|---|----------|

#### INSTALLATION LENGTHS (all length specifications: external – internal)

|  |   |
|--|---|
| Installation length from 65 mm to 80 mm<br>or between 45 mm and 70 mm for half cylinders | e.g. Z4.SR.30-40...<br>e.g. Z4.SR.60-10.HZ... |
|--|---|

|   |  |
|---|--|
| Installation length from 85 mm to 100 mm<br>or from 75 mm to 100 mm for half cylinder (max. 90 mm on outside) | e.g. Z4.SR.45-40...<br>e.g. Z4.SR.80-10.HZ |
|---|--|

|   |                     |
|---|---------------------|
| Installation length over 100 mm up to max. 140 mm (max. 90 mm on one side) (not for half cylinders) | e.g. Z4.SR.50-55... |
|---|---------------------|

|   |            |
|---|------------|
| Installation lengths over 140 mm or over 90 mm on one side or over 90 mm for half cylinders | On request |
|---|------------|

#### DIRECT NETWORKING

|   |          |
|---|----------|
| Network Thumb-Turn Cover for direct networking; stainless steel design;<br>version for auto-configuration; also suitable for retrofit | WNM.LN.I |
|---|----------|

|               |     |
|---------------|-----|
| Brass version | .MS |
|---------------|-----|

|   |                 |
|---|-----------------|
| Network thumb-turn cover for direct networking in the design of Z4.KNAUF7 (stainless steel, diameter 35 mm, for difficult-to-open doors), version for autoconfiguration, also suitable for retrofitting | WNM.LN.I.KNAUF7 |
|---|-----------------|

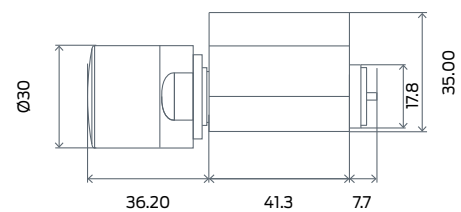
|   |                  |
|---|------------------|
| Network Thumb-Turn Cover for direct networking in Z4.KNAUF12 design (stainless steel; high-gloss, polished V4A); auto-configuration version; also suitable for retrofit | WNM.LN.I.KNAUF12 |
|---|------------------|

## DIGITAL LOCKING CYLINDER 3061 – SCANDINAVIAN OVAL



Digital locking cylinder with an enclosed electronics assembly as per DIN EN 15684 / EN 1303 for fitting into doors with a Scandinavian oval profile:

- ⌘ Freely programmable
- ⌘ Active transponder used as medium
- ⌘ Optional access control, events logging and time zone management
- ⌘ Versions with IP66 weather protection rating
- ⌘ Can be directly networked with a retrofit replacement thumb-turn cover



Measurements indicated in mm



### // TECHNICAL SPECIFICATIONS

- ⌘ Scandinavian Oval Profile Cylinder
- ⌘ Thumb-turn diameter: 30 mm
- ⌘ Basic installation length: in the version for the outer side: 41.3 mm; in the version for the inner side: 31,9 mm
- ⌘ Overall length: max. 86.3 mm; special lengths on request
- ⌘ Standard protection rating inner thumb-turn: IP54; weatherproof version of cylinder for the outer side: IP66
- ⌘ Battery type: 2 x lithium, CR2450, 3V
- ⌘ Battery life: up to 300,000 locking operations or up to ten years on standby
- ⌘ Temperature range: Operational  $-25\text{ }^{\circ}\text{C}$  to  $+65\text{ }^{\circ}\text{C}$   
Storage:  $-35\text{ }^{\circ}\text{C}$  to  $+50\text{ }^{\circ}\text{C}$
- ⌘ 3,000 access events can be logged
- ⌘ Time zone groups: 100+1
- ⌘ Up to 64,000 transponders can be managed per locking cylinder
- ⌘ Up to 304,000 lock operations can be managed per transponder
- ⌘ Network-ready with integrated LockNode (Network thumb-turn cover WNM.LN.I)

## DIGITAL LOCKING CYLINDERS 3061 – SCANDINAVIAN OVAL

### // PRODUCT VERSIONS

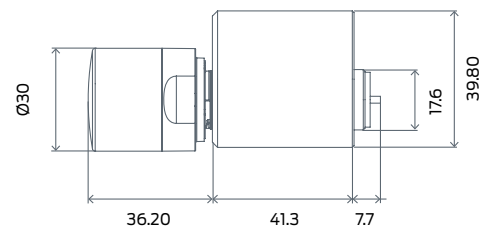
|   |                   |
|---|-------------------|
| Digital Scandinavian Oval Cylinder 3061 with G2 functions<br>For the outer side: installation length 41.3 mm, stainless steel design  | Z4.SO.A40.G2      |
| Digital Scandinavian Oval Cylinder 3061, operable without a transponder<br>For the inner side: installation length 31.9 mm, stainless steel design  | Z4.SO.I30         |
| Brass version   | .MS               |
| Version with access control, time zone control and event logging  | .ZK               |
| Version with IP 66 weather protection rating (electronic thumb turn only). For use in exterior doors and doors which are exposed to heavy splashing water   | .WP               |
| Seawater-proof version  | .SW               |
| Network thumb-turn cover for direct networking, stainless steel design, autoconfiguration   | WNM.LN.I          |
| <b>INSTALLATION LENGTHS (all length specifications: external – internal)</b>  |                   |
| Installation length 61.3 mm per profile   | e.g. Z4.SO.A60... |
| Installation length up to 86.3 mm per profile   | e.g. Z4.SO.A80... |
| Installation length over 86.3 mm per profile  | On request        |
| <b>ACCESSORIES</b>  |                   |
| Extension Set SO and RS Cylinder. The set allows an extension of the cam of the Scandinavian cylinder by up to 75 mm<br>contains: 5 sets.   | Z4.SO.EXT         |
| <b>DIRECT NETWORKING</b>  |                   |
| Network Thumb-Turn Cover for direct networking; stainless steel design; version for auto-configuration; also suitable for retrofit  | WNM.LN.I          |
| Brass version   | .MS               |
| Network thumb-turn cover for direct networking in the design of Z4.KNAUF7 (stainless steel, diameter 35 mm, for difficult-to-open doors), version for autoconfiguration, also suitable for retrofitting | WNM.LN.I.KNAUF7   |
| Network Thumb-Turn Cover for direct networking in Z4.KNAUF12 design (stainless steel; high-gloss, polished V4A); auto-configuration version; also suitable for retrofit                                 | WNM.LN.I.KNAUF12  |

## DIGITAL LOCKING CYLINDER 3061 – SCANDINAVIAN ROUND



Digital locking cylinder with an enclosed electronics assembly as per DIN EN 15684 / EN 1303 for fitting into doors with a Scandinavian Round profile:

- :: Freely programmable
- :: Active transponder used as medium
- :: Optional access control, events logging and time zone management
- :: Versions with IP66 weather protection rating
- :: Can be directly networked with a retrofit replacement thumb-turn cover



Measurements indicated in mm



### // TECHNICAL SPECIFICATIONS

- :: Scandinavian Round Profile Cylinder
- :: Thumb-turn diameter: 30 mm
- :: Basic installation length: in the version for the outer side: 41.3 mm, in the version for the inner side: 31,9 mm
- :: Overall length: max. 86.3 mm; special lengths on request
- :: Standard protection rating inner thumb-turn: IP54; weatherproof version of cylinder for the outer side: IP66
- :: Battery type: 2 x lithium, CR2450, 3V
- :: Battery life: up to 300,000 locking operations or up to ten years on standby
- :: Temperature range: Operational  $-25\text{ }^{\circ}\text{C}$  to  $+65\text{ }^{\circ}\text{C}$   
Storage:  $-35\text{ }^{\circ}\text{C}$  to  $+50\text{ }^{\circ}\text{C}$
- :: 3,000 access events can be logged
- :: Time zone groups: 100+1
- :: Up to 64,000 transponders can be managed per locking cylinder
- :: Up to 304,000 lock operations can be managed per transponder
- :: Network-ready with integrated LockNode (Network thumb-turn cover WNM.LN.I)

DIGITAL LOCKING CYLINDERS  
3061  
SCANDINAVIAN ROUND

// PRODUCT VERSIONS

|  |              |
|--|--------------|
| Digital Scandinavian Round Cylinder 3061, with G2 functions<br>For the outer side: installation length 41.3 mm, stainless steel design | Z4.RS.A40.G2 |
|--|--------------|

|   |           |
|---|-----------|
| Digital Scandinavian Round Cylinder 3061, operable without a transponder<br>For the inner side: installation length 31.9 mm, stainless steel design | Z4.RS.I30 |
|---|-----------|

|               |     |
|---------------|-----|
| Brass version | .MS |
|---------------|-----|

|  |     |
|--|-----|
| Version with access control, time zone control and event logging | .ZK |
|--|-----|

|   |     |
|---|-----|
| Version with IP 66 weather protection rating (electronic thumb turn only). For use in exterior doors and doors which are exposed to heavy splashing water | .WP |
|---|-----|

|   |          |
|---|----------|
| Network thumb-turn cover for direct networking, stainless steel design, autoconfiguration | WNM.LN.I |
|---|----------|

**INSTALLATION LENGTHS (all length specifications: external – internal)**

|   |                   |
|---|-------------------|
| Installation length 61.3 mm per profile | e.g. Z4.RS.A60... |
|---|-------------------|

|   |                   |
|---|-------------------|
| Installation length up to 86.3 mm per profile | e.g. Z4.RS.A80... |
|---|-------------------|

|  |            |
|--|------------|
| Installation length over 86.3 mm per profile | On request |
|--|------------|

**ACCESSORIES**

|   |           |
|---|-----------|
| Extension Set SO and RS Cylinder. The set allows an extension of the cam of the Scandinavian cylinder by up to 75 mm. contains: 5 sets. | Z4.RS.EXT |
|---|-----------|

**DIRECT NETWORKING**

|  |          |
|--|----------|
| Network Thumb-Turn Cover for direct networking; stainless steel design; version for auto-configuration; also suitable for retrofit | WNM.LN.I |
|--|----------|

|               |     |
|---------------|-----|
| Brass version | .MS |
|---------------|-----|

|   |                 |
|---|-----------------|
| Network thumb-turn cover for direct networking in the design of Z4.KNAUF7 (stainless steel, diameter 35 mm, for difficult-to-open doors), version for autoconfiguration, also suitable for retrofitting | WNM.LN.I.KNAUF7 |
|---|-----------------|

|   |                  |
|---|------------------|
| Network Thumb-Turn Cover for direct networking in Z4.KNAUF12 design (stainless steel; high-gloss, polished V4A); auto-configuration version; also suitable for retrofit | WNM.LN.I.KNAUF12 |
|---|------------------|



# DIGITAL LOCKING CYLINDER 3061 THUMB-TURNS & ACCESSORIES

Thumb-turn for  
difficult-to-open doors  
(Z4.KNAUF2)



Thumb-turn for difficult-to-open doors  
(Z4.KNAUF3, Z4.KNAUF7, Z4.KNAUF12)



Shortened thumb-turn  
(Z4.KNAUF4)



## // PRODUCT VERSIONS

### THUMB-TURNS/STAINLESS STEEL THUMB-TURN COVERS FOR THE ELECTRONICS SIDE OF THE CYLINDER

|   |           |
|---|-----------|
| Standard TN4 cover, brushed stainless steel | Z4.KAPPE1 |
|---|-----------|

|   |           |
|---|-----------|
| Thumb-turn made of stainless steel, diameter 35 mm, with recessed grip rings for increased grip | Z4.KNAUF7 |
|---|-----------|

### PLASTIC THUMB-TURN COVERS FOR THE ELECTRONICS SIDE OF THE CYLINDER

|  |           |
|--|-----------|
| In TN4 design, silver plastic, diameter 30 mm, suitable for low signal strengths | Z4.KNAUF9 |
|--|-----------|

|   |           |
|---|-----------|
| Silver plastic, diameter 35 mm, with recessed grip rings for increased grip | Z4.KNAUF3 |
|---|-----------|

### THUMB-TURNS MADE OF STAINLESS STEEL FOR THE NON-ELECTRONICS SIDE OF THE CYLINDER

|  |           |
|--|-----------|
| In TN3 design, stainless steel, diameter 30 mm, recessed grips for better grip | Z4.KNAUF1 |
|--|-----------|

|  |           |
|--|-----------|
| In TN4 design, stainless steel, diameter 30 mm, with recessed grips for increased grip, not suitable for Swiss Round cylinders | Z4.KNAUF6 |
|--|-----------|

|  |           |
|--|-----------|
| Stainless steel, diameter 30 mm, shortened by 12 mm to approx. 21 mm length, e.g. in confined spaces or in hospitals, not suitable for Swiss Round cylinders | Z4.KNAUF4 |
|--|-----------|

|   |           |
|---|-----------|
| Stainless steel, diameter 42 mm, recessed grips for better grip, not suitable for Swiss Round cylinders | Z4.KNAUF2 |
|---|-----------|

### STAINLESS STEEL/COMPOSITE THUMB-TURN SET

|  |           |
|--|-----------|
| Conical thumb-turn set consisting of thumb-turn cover for electronics side and thumb-turn for non-electronics side of the cylinder, stainless steel (electronics side) / plastic (non-electronics side), diameter 30 / 36 mm with recessed grips for better grip, projection of the cylinder on both sides of >4 mm required | Z4.KNAUF8 |
|--|-----------|

### THUMB-TURNS/THUMB-TURN COVERS MADE OF V4A STAINLESS STEEL

|   |            |
|---|------------|
| Thumb-turn cover for electronics side of cylinder, stainless steel V4A high-gloss polished, diameter 35 mm, for seawater resistant applications | Z4.KNAUF12 |
|---|------------|

|   |            |
|---|------------|
| Thumb-turn for non-electronics side of cylinder, stainless steel V4A, diameter 30 mm, for seawater resistant applications | Z4.KNAUF13 |
|---|------------|

|   |            |
|---|------------|
| Thumb-turn for electronics side of cylinder, stainless steel V4A, diameter 30 mm, for seawater resistant applications | Z4.KNAUF14 |
|---|------------|

### BRASS THUMB-TURN SET/THUMB-TURN COVER


|   |           |
|---|-----------|
| Thumb-turn set brass matt, consisting of thumb-turn for non-electronics side and thumb-turn cover for electronics side of cylinder, diameter 30 mm, with recessed grips for better grip, for doors with brass-coloured fittings, only suitable for Euro Profile | Z4.KNAUF5 |
|---|-----------|

|                           |           |
|---------------------------|-----------|
| TN4 cover, polished brass | Z4.KAPPE2 |
|---------------------------|-----------|

ACTIVE TECHNOLOGY

# DIGITAL SMART HANDLES AX

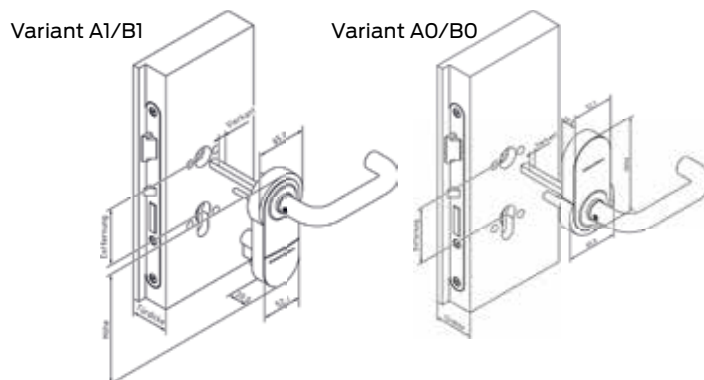


Simons  Voss

# DIGITAL SMART HANDLE AX



Is it possible to make something good even better? Yes, it is! Our new generation of SmartHandles is unfailingly based on our users' needs and sets new standards in the process. SimonsVoss introduces a new level of intelligence, security and convenience to doors with SmartHandle AX thanks to a modular structure, a wealth of variants and innovative functions such as BLE and Phone2Door (from 2019).



Measurements indicated in mm

## // ADVANTAGES

- :: Battery life: up to 300,000 lock operations or up to 10 years on standby (active). up to 200,000 lock operations or up to 10 years on standby (passive).
- :: Room for beauty: with its characteristic, adaptive design, the AX fitting can be combined with standard handles by renowned manufacturers.
- :: Provide a flexible response to any situation on site: SmartHandle AX can be adapted to the spindle, door thickness and centre distance. The handle itself can be mounted on the left or right.
- :: Made in Germany. A given for us. The SmartHandle AX has been proven to function continuously for 1 million cycles. (DIN EN 1906)
- :: You can add online or extra functions such as DoorMonitoring at a later stage. Future-proof investment forms part of the SimonsVoss promise.
- :: Operational reliability is crucial. That's why we have invested in mechanical and electronic quality and stability with the AX fitting. SmartHandle AX features extremely precise handle clearance.
- :: Security on the AX platform: we are not satisfied until everything is secure. Intrinsic Security Architecture (ISA) with its Secure Element forms the centrepiece of SmartHandle AX.
- :: Full backward compatibility and operational reliability: You can even open SmartHandle AX with your first-generation transponder.

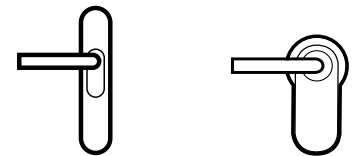
## // TECHNICAL SPECIFICATIONS

- :: Variants: Euro Profile Cylinder Swiss Round
- :: Dimensions (W x H x D):  
Variant A0/B0: 66 x 120 x 21 mm  
Variant A1/B1: 66 x 140 x 21 mm  
Variant A2/B2: 65 x 174 x 21 mm
- :: Reader type:  
Active transponder technology  
Passive (MIFARE® Classic und DESFire®), Hybrid, BLE ready
- :: Operating modes: Online, virtual. network and offline (can be combined)
- :: Battery type: 4x CR2450, 3 V, lithium.
- :: Battery life: Up to 300,000 lock operations or up to 10 years on standby (active). up to 200,000 lock operations or up to 10 years on standby (passive).
- :: Temperature range: Operational: -25°C to +50°C  
In storage (temporary): -40°C to +50°C  
In storage (long-term): 0°C to +30°C
- :: IP code: IP40
- :: Feedback signals: Audible (buzzer), visual (LED – green/red)
- :: Loggable access events: Up to 3,000
- :: Time zone groups: 100+1
- :: Number of media that can be managed per SmartHandle AX: up to 64,000
- :: Radio network: Can be networked directly with integrated LockNode (can be retrofitted at any time)
- :: Firmware upgradable

## DIGITAL SMART HANDLE AX

Create your KEYLESS WORLD with two generations of Smart-Handle: SmartHandle 3062 and SmartHandle AX impress with their design, functions and compatibility.

Both hardware fittings can be operated with renowned identification media and customised to different door installation types.



|                            | SmartHandle 3062 | SmartHandle AX |
|----------------------------|------------------|----------------|
| Interior doors             |                  | x              |
| Exterior doors             | x                |                |
| Metal frame doors          | x                | x              |
| Glass doors                |                  | x              |
| Push-Bar on interior doors |                  | x              |

### // BASIC VERSIONS

| Description   | Order code |
|---|------------|
| <b>DIGITAL SMART HANDLE AX</b>  |            |
| <b>PROFILE</b>  |            |
| A0 – Euro Profile cylinder, stationary installation, option for mechanical secondary locking device | A0         |
| A1 – Euro Profile cylinder, suspended installation; for a centres distance between 70 and 79 mm     | A1         |
| A2 – Euro Profile cylinder, suspended installation; for a centres distance between 70 and 110 mm    | A2         |
| B0 – Swiss Round, stationary installation, option for mechanical secondary locking device           | B0         |
| B1 – Swiss Round, suspended installation; for a centres distance between 70 and 79 mm               | B1         |
| B2 – Swiss Round, suspended installation; for a centres distance between 70 and 110 mm              | B2         |

DIGITAL  
SMART HANDLE AX

// OPTIONS

| Description                                       | Order code |
|---|------------|
| <b>OUTSIDE ESCUTCHEON</b>                         |            |
| No escutcheon cover                               | 0          |
| Escutcheon cover without locking cylinder opening | 1          |
| Escutcheon cover with locking cylinder opening    | 2          |
| <b>INSIDE ESCUTCHEON</b>                          |            |
| No escutcheon cover                               | 0          |
| Escutcheon cover without locking cylinder opening | 1          |
| Escutcheon cover with locking cylinder opening    | 2          |
| <b>HANDLE VERSION FOR OUTSIDE</b>                 |            |
| Without handle                                    | 0          |
| L-shaped R (rounded)                              | A          |
| L-shaped G (mitred)                               | B          |
| U-shaped R (rounded)                              | C          |
| U-shaped G (mitred)                               | D          |
| <b>HANDLE VERSION INSIDE</b>                      |            |
| Without handle                                    | 0          |
| L-shaped R (rounded)                              | A          |
| L-shaped G (mitred)                               | B          |
| U-shaped R (rounded)                              | C          |
| U-shaped G (mitred)                               | D          |
| <b>SURFACE FINISH</b>                             |            |
| Silver / black grey                               | 1          |
| Silver / white                                    | 2          |
| Brass / white                                     | 7          |

DIGITAL  
SMART HANDLE AX

| Description   | Order code  |
|---|-------------|
| <b>DOOR THICKNESS</b>   |             |
| 38 – 60 mm  | S           |
| 59 - 80 mm  | M           |
| 79 – 100 mm   | L           |
| 100 - 200 mm  | X           |
| <b>SPINDLE</b>  |             |
| 7 mm  | 07          |
| 8 mm  | 08          |
| 8.5 mm  | 85          |
| 9 mm (the FH option must be ordered in addition for fire doors and emergency exit devices)  | 09          |
| 10 mm   | 10          |
| <b>READER TECHNOLOGY</b> (please indicate Active and MIFARE for Hybrid)   |             |
| Permanently engaged for use (without electronics)   | 0           |
| Active  | A           |
| MIFARE®   | M           |
| <b>OPTIONS</b> (multiple selection possible)  |             |
| G2 technology   | G2          |
| Version with access control, time zone control and event logging  | ZK          |
| Approved for fire-retardant doors and emergency exit devices  | FH          |
| <b>DIRECT NETWORKING</b>  |             |
| LockNode for integration into digital door fittings to directly network SmartHandle AX with auto-configuration (can be retrofitted) | WNM.LN.I.S2 |

DIGITAL  
SMART HANDLE AX

| Description  | Order code          |
|--|---------------------|
| <b>ACCESSORIES</b>   |                     |
| Adapter for installing an FSB handle with ASL or AGL fastening type (observe compatibility list)       | S2.ADAPTERSET.FSB   |
| Adapter for installing a GLUTZ handle (observe compatibility list)                                     | S2.ADAPTERSET.GLUTZ |
| Inside and exterior handles for retrofit; indicate handle variant A, B, C or D and Spindle 7, 8 or 9   | S2.LEVER.x.x        |
| Spindle in S, M, L or X length and 7, 8 or 9 mm in diameter; please indicate length and diameter       | S2.SQUARE.x.x       |
| Cover for Variant A0/B0, black-grey  | S2.COVER.0.SG       |
| Cover for Variant A0/B0, white   | S2.COVER.0.W        |
| Cover for Variant A1/B1, black-grey  | S2.COVER.1.SG       |
| Cover for Variant A1/B1, white   | S2.COVER.1.W        |
| Cover for Variant A2/B2, black-grey  | S2.COVER.2.SG       |
| Cover for Variant A2/B2, white   | S2.COVER.2.W        |
| Sleeve nut for escutcheons, pack of 50   | S2.SLEEVENUT        |
| S,M,L or X) screw set; indicate length (pack of 10)  | S2.SCREW.x          |
| Compensating bushings for Variant A0/B0, 10 bags with 2 x 3 units in each (in three different lengths) | S2.COMPSHELL        |
| Escutcheon cover without locking cylinder opening, for retrofit  | S2.ROSE             |
| Escutcheon cover with locking cylinder opening, for retrofit   | S2.ROSEPZ           |
| Extension sleeve from 8 mm to 8.5 mm in length (10 units)  | SH.HUELSE.8.5       |
| Blank cylinder 15-15 mm for Euro Profile cylinder to seal profile cylinder holes in the door           | BLINDZYLINDER.PZ    |
| Blank cylinder 15-15 mm for Swiss Round to seal profile cylinder holes in the door                     | BLINDZYLINDER.SR    |

DIGITAL  
SMART HANDLE AX  
FOR GLASS DOORS

// BASIC VERSIONS

| Description   | Order code |
|---|------------|
| <b>LOCK CASES TO FIT SMARTHANDLE AX ONTO GLASS DOORS</b>  |            |
| dormakaba Office Junior lock case for glass doors, designed for SmartHandle AX, DIN left, spindle, 8 mm Designed for glass doors with vertical holes at a gap of 80 mm Hole diameter 50 mm (SmartHandle must be ordered separately; only variant A1 is compatible)  | S2GL08A72L |
| dormakaba Office Junior lock case for glass doors, designed for SmartHandle AX, DIN right, spindle, 8 mm Designed for glass doors with vertical holes at a gap of 80 mm Hole diameter 50 mm (SmartHandle must be ordered separately; only variant A1 is compatible) | S2GL08A72R |
| <b>Important information:</b> The glass door fitting manufacturer is dormakaba. Please contact the manufacturer directly for accessories or further information.  |            |
| <b>ACCESSORIES</b>  |            |
| Cover for dormakaba Office Junior lock case for glass doors, designed for SmartHandle AX  | S2GLCOVER  |
| <b>DIRECT NETWORKING FOR DIGITAL SMART HANDLE</b>   |            |
| You can download an order placement guide for Digital SmartHandles from our website at <a href="http://www.simons-voss.com/en">www.simons-voss.com/en</a> under Products in the Value Added Resellers Area.   |            |



# DIGITAL SMART HANDLE AX

COMPOSITION OF THE ITEM NO. SHOWN IN EXAMPLE:

**Identifier for electronic door handle = SV-S2**

Profile: A0 = Euro Profile cylinder, stationary installation

A1 = Euro Profile cylinder, suspended installation, for centres distance 70–79 mm

A2 = Euro Profile cylinder, stationary installation, for centres distance 70-110 mm

A3 = Euro profile cylinder, stationary installation for metal frame doors

B0 = Swiss Round, stationary installation, option for mechanical secondary locking device

B1 = Swiss Round, suspended installation, for centres distance 70–79 mm

B2 = Swiss Round, suspended installation (long), for centres distance 70-110 mm

Outside escutcheon: 0 = none    1 = without locking cylinder opening    2 = with locking cylinder opening

Inside escutcheon: 0 = none    1 = without locking cylinder opening    2 = with locking cylinder opening

Handle variant outside: 0 = without handle

A = L-shaped R (rounded, curved)

B = L-shaped G (mitred)

C = U-shaped R (rounded, curved)

D = U-shaped G (mitred)

Adapter set for third-party handles optional

Handle variant, inside: 0 = without handle

A = L-shaped R (rounded, curved)

B = L-shaped G (mitred)

C = U-shaped R (rounded, curved)

D = U-shaped G (mitred)

Adapter set for third-party handles optional

Surface finish: 1 = silver / black-grey    2 = silver / white    7 = brass / white

Door thickness: S = 38-60 mm

M = 59-80 mm

L = 79-100 mm

X = 100-200 mm

Spindle: 07 = 7 mm

08 = 8 mm

85 = 8.5 mm

09 = 9 mm

10 = 10 mm

Reader technology: A = Active, M = MIFARE®  
(please indicate Active and MIFARE for Hybrid)

Options: (Select all that apply)

G2 = G2 technology

ZK = Access control, time zone control  
and event logging

FH = Approved for fire protection and  
emergency exit closures

|       |    |   |    |   |    |    |   |     |   |    |
|-------|----|---|----|---|----|----|---|-----|---|----|
| SV-S2 | A0 | 1 | 2. | A | A. | 1. | M | 08. | A | G2 |
|-------|----|---|----|---|----|----|---|-----|---|----|

=SV-S2.A0.12.AA.1.M08.A.G2

ACTIVE TECHNOLOGY

# DIGITAL SMART HANDLES 3062

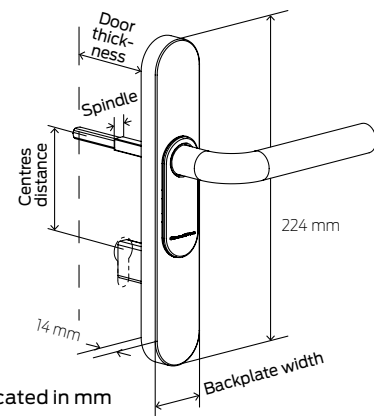


## DIGITAL SMART HANDLE 3062



This SimonsVoss electronic door handle combines intelligent access control functions with an elegant, ergonomic design. Behind its slim, flat exterior, SmartHandle contains highly innovative technology.

In developing the new SmartHandle 3062 door fitting we focussed in particular on the requirements for use in outdoor areas. In addition to active technology, SmartHandle is also available in a Smart Card version and can be used with doors fitted with Euro Profile Cylinders, Swiss Round, and Scandinavian Oval mortise locks.



### // UNIQUE SELLING POINT

The innovative snap-in fitting system means that there is no need to drill holes in doors, thus ensuring existing doors are not damaged and installation times are greatly reduced.

### // SYSTEM SPECIFICATIONS AND INTERDEPENDENCIES WITH OTHER PRODUCTS

LSM 3.1 or higher, Programming Device SmartCD.G2.

### // TECHNICAL SPECIFICATIONS

- :: Types: Euro Profile cylinder (as per DIN 18252 / EN1303), Swiss Round, Scandinavian Oval
- :: Dimensions (W x H x D):  
Narrow: 41 x 224 x 14 mm  
Wide: 53 x 224 x 14 mm
- :: Dimensions SO (W x H x D):  
Narrow: 48 x 230.2 x 21.75 mm  
Wide: 59 x 229.2 x 21.75 mm
- :: Dimensions SO DP (W x H x D):  
Narrow: 48 x 230.2 x 24.75 mm  
Wide: 59 x 229.2 x 24.75 mm
- :: Reader type: Transponder technology (active)
- :: Battery type: 2x CR2450 3V lithium,
- :: Battery life: up to 150,000 operations or up to 10 years on stand-by

- :: Temperature range: Operational: -20°C to +50°C
- :: In storage (temporary): -40°C to +70°C
- In storage (long-term): 0°C to +30°C
- :: Feedback signals: Audible (buzzer)
- :: Storable access events: up to 3,000
- :: Time zone groups:  
G2: 100+1
- :: Number of transponders  
which can be managed per cylinder: up to 64,000
- :: Number of locking operations  
which can be managed per transponder: up to 304,000
- :: Different permanent/open modes
- :: Networking capability: Network-ready with integrated LockNode (can be retrofitted at any time)
- :: Firmware upgradable

DIGITAL  
SMART HANDLE 3062

Digital SmartHandle is available with four different types of fastening:  
SnapIn, conventional fastening, conventional fastening with mechanical override (MO)  
as well as installation on escutcheons and metal frame doors with Mechanical Override (MO)

// BASIC VERSIONS

| Description  | Order code                                     |
|--|--|
| DIGITAL SMART HANDLE 3062  |  |
| Digital SmartHandle 3062 – <b>SnapIn</b> with G2 functions<br>Electronic door handle for mounting on doors, with handle lock designed for <b>Euro Profile or Swiss Round</b> .<br>Outer side can be operated with SimonsVoss transponders only; inner side is permanently engaged.   | SHA*...A**.....1G2***<br>SHA*...B**.....1G2*** |
| Digital SmartHandle 3062 – <b>Conventional fastening</b> with G2 functions<br>Electronic door handle for mounting on doors, with handle lock designed for <b>Euro Profile or Swiss Round</b> .<br>Outer side can be operated with SimonsVoss transponders only; inner side is permanently engaged.   | SHA*...C**.....1G2***<br>SHA*...D**.....1G2*** |
| Digital SmartHandle 3062 – <b>Conventional fastening with MO</b> and G2 functions – for <b>Euro Profile</b><br>Electronic door handle for conventional mounting on doors with screws; additional options for installing a mechanical cylinder as a secondary lock; equipped with a handle lock for Euro Profile; outer side can only be operated with a SimonsVoss transponder, internal is always engaged.                | SHC*...E-L**.....1G2***                        |
| Digital SmartHandle 3062 – <b>Conventional fastening with MO</b> and G2 functions – for <b>Swiss Round</b> :<br>Electronic door handle for conventional mounting on doors with screws; additional options for installing a mechanical cylinder as a secondary lock; equipped with a handle lock for Swiss Round; outer side can only be operated with a SimonsVoss transponder, internal is always engaged.                | SHD*...E-L**.....1G2***                        |
| Digital SmartHandle 3062 – <b>Fastening for mounting to escutcheons with MO</b> and G2 functions<br>– for <b>Euro Profile</b> : Electronic door handle for conventional assembly with screws, additional<br>Possibility of installing a mechanical cylinder as secondary lock, with a handle lock prepared for Euro Profile, can only be operated from outside with SimonsVoss transponder, inside is always engaged.      | SHF*...E-L**.....1G2***                        |
| Digital SmartHandle 3062 – <b>Fastening for mounting to escutcheon</b> and G2 functions – for <b>Swiss Round</b> :<br>Electronic door handle for conventional mounting on doors with screws; additional options for installing a mechanical cylinder as a secondary lock; equipped with a handle lock for Euro Profile; outer side can only be operated with a SimonsVoss transponder, internal is always engaged.         | SHG*...E-L**.....1G2***                        |
| Digital SmartHandle 3062 – <b>Fastening for mounting to metal frame doors</b> and G2 functions – for <b>Euro Profile</b> :<br>Electronic door handle for conventional mounting on doors with screws; additional options for installing a mechanical cylinder as a secondary lock; equipped with a handle lock for Euro Profile; outer side can only be operated with a SimonsVoss transponder, internal is always engaged. | SHH*...E-L**.....1G2***                        |

\* Identifiers for profile:

- A = Euro Profile/Swiss Round
- C = Euro Profile with mechanical override
- D = Swiss Round with mechanical override
- F = Euro Profile with MO – Escutcheon installation
- G = Swiss Round with MO – Escutcheon installation
- H = Euro Profile with MO for tubular frame doors
- I = Swiss Round with MO – for tubular frame doors

\*\* Identifiers for fastening system/backplate width:

- A = snap-in, narrow
- B = snap-in, wide
- C = conventional fastening, narrow
- D = conventional fastening, wide
- E-L = versions for mechanical override

\*\*\* Identifier for reader technology/option:

- 1 = active
- G2 = with G2 functions

DIGITAL  
SMART HANDLE 3062

| Description   | Order code              |
|---|-------------------------|
| Digital SmartHandle 3062 – <b>Fastening for mounting to metal frame door with MO</b> and G2 functions – <b>for Swiss Round</b> : Electronic door handle for conventional mounting on doors with screws; additional options for installing a mechanical cylinder as a secondary lock; equipped with a handle lock for Euro Profile; outer side can only be operated with a SimonsVoss transponder, internal is always engaged. | SHI*...E-L**.....1G2*** |
| Digital SmartHandle 3062 – <b>without electronics</b>   | On request              |

// OPTIONS

| Description   | Order code |
|---|------------|
| <b>PROFILE</b>  |            |
| Euro Profile / Swiss Round                                      | A          |
| Euro Profile with mechanical override (MO)                      | C          |
| Swiss Round with mechanical override (MO)                       | D          |
| Euro Profile with Mechanical Override – escutcheon installation | F          |
| Swiss Round with Mechanical Override – escutcheon installation  | G          |
| Euro Profile with Mechanical Override – for metal frame doors   | H          |
| Swiss Round with Mechanical Override – for metal frame doors    | I          |
| <b>DOOR THICKNESS</b>   |            |
| 39 – 60 mm  | S          |
| 59 - 80 mm  | M          |
| 79 – 100 mm   | L          |
| <b>SPINDLE</b>  |            |
| 7 mm  | 07         |
| 8 mm  | 08         |
| 8 mm (fire retardant doors)                                     | F8         |
| 9 mm (fire retardant doors)                                     | 09         |
| 10 mm   | 10         |

DIGITAL  
SMART HANDLE 3062

| Description  | Order code |
|--|------------|
| <b>FASTENING TYPE / BACKPLATE WIDTH:</b>                                     |            |
| Snap-in narrow plate (41 mm)   | A          |
| Snap-in wide plate (53 mm)   | B          |
| Conventional fastening, narrow (41 mm)                                       | C          |
| Conventional fastening, wide (53 mm)   | D          |
| Conventional fastening – MO internal and outside recess, narrow (41 mm)      | E          |
| Conventional fastening – MO internal and outside recess, wide (53 mm)        | F          |
| Conventional fastening – MO internal blind / outside recess, narrow (41 mm)  | G          |
| Conventional fastening – MO internal blind / outside recess, wide (53 mm)    | K          |
| Conventional fastening – MO internal recess / outside blind, narrow (41 mm)  | I          |
| Conventional fastening MO – MO internal recess / outside blind, wide (53 mm) | J          |
| Conventional fastening – MO internal and outside blind, narrow (41 mm)       | K          |
| Conventional fastening – MO internal and outside blind, narrow (53 mm)       | L          |
| <b>CENTRES DISTANCE</b>  |            |
| Conventional fastening versions C, D, K, L                                   | 00         |
| 70 mm (for snap-in only)   | 70         |
| 72 mm (for SnapIn and Mechanical Override only)                              | 72         |
| 75 mm (for SnapIn and Mechanical Override only)                              | 75         |
| 78 mm (for SnapIn and Mechanical Override only)                              | 78         |
| 85 mm (for SnapIn and Mechanical Override only)                              | 85         |
| 88 mm (for SnapIn and Mechanical Override only)                              | 88         |
| 90 mm (for SnapIn and Mechanical Override only)                              | 90         |
| 92 mm (for SnapIn and Mechanical Override only)                              | 92         |
| 94 mm (for Swiss Round – Snap-in and Mechanical Override only)               | 94         |
| <b>VERSION</b>   |            |
| Engaged (for SmartHandle without electronics only)                           | 0          |
| Engages for use on one side (for all SmartHandles with electronics)          | 1          |

DIGITAL  
SMART HANDLE 3062

| Description  | Order code    |
|--|---------------|
| <b>HANDLE VERSION, OUTSIDE</b>                                   |               |
| L-shaped R (rounded)   | A             |
| L--shaped G (mitred)   | B             |
| U-shaped R (rounded)   | C             |
| U-shaped G (mitred)  | D             |
| U-shaped R (rounded), offset                                     | E             |
| <b>HANDLE VERSION, INSIDE</b>                                    |               |
| L-shaped R (rounded)   | A             |
| L-shaped G (mitred)  | B             |
| U-shaped R (rounded)   | C             |
| U-shaped G (mitred)  | D             |
| U-shaped R (rounded), offset                                     | E             |
| <b>SURFACE</b>   |               |
| Stainless steel, brushed   | 1             |
| Brass version  | 3             |
| <b>READER TECHNOLOGY</b>   |               |
| No electronics   | 0             |
| Active   | 1             |
| <b>OPTIONS</b>   |               |
| With G2 functions  | G2            |
| Version with access control, time zone control and event logging | ZK            |
| Weatherproof version (for outer side only)                       | WP            |
| Version with security classification ES1 and PAS24               | E1            |
| <b>OTHER ACCESSORIES</b>   |               |
| Sleeve from 8 to 8.5 mm (10 units)                               | SH.HUELSE.8.5 |
| Sleeve from 7 to 8 mm (10 units)                                 | SH.HUELSE.7.8 |

DIGITAL  
SMART HANDLE 3062

| Description  | Order code    |
|--|---------------|
| <b>DIRECT NETWORKING FOR DIGITAL SMART HANDLE</b>  |               |
| LockNode for integration into digital door fittings to directly network SmartHandle 3062 (can be retrofitted)                            | WNM.LN.I.SH   |
| Weatherproof version of the LockNode for outdoor use, can only be ordered together with the weatherproof version of the SmartHandle (WP) | WP            |
| <b>COVER FOR RETROFIT OR REPLACEMENT</b>   |               |
| Cover (narrow) and inlay for retrofit or as replacement  | SH.CS         |
| Cover (narrow, Euro Profile) and inlay for retrofit or as replacement; indicate the centres distance for recess (e.g. 72 mm)             | SH.CS.XX      |
| Cover (wide) and inlay for retrofit or as replacement  | SH.CB         |
| Cover (wide) and inlay for retrofit or as a replacement; indicate the centres distance for the recess (e.g. 72 mm)                       | SH.CB.xx      |
| Outer cover (narrow) and inlay (Swiss Round) for retrofit or as replacement; indicate the centres distance for recess (e.g. 78 mm)       | SH.CS.SR.A.xx |
| Inside cover (narrow) and inlay (Swiss Round) for retrofit or as replacement; indicate the centres distance for recess (e.g. 78 mm)      | SH.CS.SR.I.xx |
| Outer cover (wide) and inlay (Swiss Round) for retrofit or as replacement; indicate the centres distance for recess (e.g. 78 mm)         | SH.CB.SR.A.xx |
| Inside cover (wide) and inlay (Swiss Round) for retrofit or as replacement; indicate the centres distance for recess (e.g. 78 mm)        | SH.CB.SR.I.xx |
| <b>HANDLE FOR RETROFIT OR CONVERSION</b>   |               |



DIGITAL  
SMART HANDLE 3062

| Description   | Order code |
|---|------------|
| SmartHandle for retrofit or conversion<br>L-shape, round, curved<br>Inside and outer handles<br>With lock ring and socket screw   | SH.LEVA    |
| SmartHandle for retrofit or conversion<br>L-shaped G<br>Inside and outer handles<br>With lock ring and socket screw   | SH.LEVB    |
| SmartHandle for retrofit or conversion<br>U-shaped, round, curved<br>Inside and outer handles<br>With lock ring and socket screw  | SH.LEVC    |
| SmartHandle for retrofit or conversion<br>U-shaped with mitre<br>Inside and outer handles<br>With lock ring and socket screw  | SH.LEVD    |
| SmartHandle for retrofit or conversion<br>U-shaped, round, offset<br>for metal frame doors<br>Inside and outer handles<br>With lock ring and socket screw   | SH.LEVE    |
| SmartHandle for retrofit or conversion<br>For SH with replaceable handles on both sides only<br>U-shaped, round, curved<br>Inside and outer handles<br>With lock ring and socket screw<br>With anti-bacterial coating | SH.LEV.AB  |
| Locking ring for exchangeable outside handle<br>at SmartHandle, content: 10 units   | SH.RING    |

**DIRECT NETWORKING FOR DIGITAL SMART HANDLE**

You can find our order placement guide SmartHandle in the retailer section on our website [www.simons-voss.com](http://www.simons-voss.com).

DIGITAL  
SMART HANDLE 3062  
SKG

// BASIC VERSIONS

| Description  | Order code   |
|--|--|
| DIGITAL SMART HANDLE 3062 – SKG  |  |
| Digital SmartHandle 3062 SKG – <b>Conventional Fastening</b> with G2 Functions<br>Electronic door handle for conventional mounting with screws, <b>SKG approval SKG - 2 stars</b> , with handle <b>lock designed for Euro Profile</b> . Outer side can only be operated with SimonsVoss transponder; inner side is permanently engaged.  | SHA*...C*.....1G2DP***<br>SHA*...D*.....1G2DP***     |
| Digital SmartHandle 3062 SKG <b>DoorMonitoring</b> – <b>Conventional Fastening</b> with G2 and ZK functions<br>Electronic door handle for conventional assembly with screws, <b>SKG approval SKG - 2 stars</b> , prepared with a <b>SVP handle lock for Euro Profile</b> , outside with SimonsVoss transponder; inner side is always engaged. Network capability: directly networked, with integrated LockNode | SHA*...C2.....1G2DPZK***<br>SHA*...D2.....1G2DPZK*** |
| Digital SmartHandle 3062 SKG <b>DoorMonitoring</b> – <b>Conventional Fastening</b> with G2 and ZK functions to connect to a <b>(SVP) sensor lock</b> : Electronic door handle for fastening on doors, prepared with a handle lock for Euro Profile, can be operated outside with SimonsVoss transponder, inside is always engaged. Network capability: directly networked with integrated LockNode             | SHA*...C3.....1G2DPZK***<br>SHA*...D3.....1G2DPZK*** |

\* Identifiers for profile:

A = Euro Profile/Swiss Round

\*\* Identifiers for fastening system/backplate width:

C = conventional fastening, narrow

D = conventional fastening, wide

\*\*\* Identifier for reader technology/option:

1 = active

G2 = with G2 functions

DP = Drilling protection

WP = Weatherproof version

DIGITAL  
SMART HANDLE 3062  
SKG

// OPTIONS

| Description   | Order code |
|---|------------|
| <b>PROFILE</b>  |            |
| Euro Profile  | A          |
| <b>DOOR THICKNESS</b>   |            |
| 32 – 50 mm  | S          |
| 50 – 70 mm  | M          |
| 70 - 90 mm  | L          |
| <b>SPINDLE</b>  |            |
| 8 mm  | 08         |
| <b>FASTENING TYPE / BACKPLATE WIDTH:</b>                            |            |
| Conventional fastening, narrow (41 mm)                              | C          |
| Conventional fastening, wide (53 mm)                                | D          |
| <b>CENTRES DISTANCE</b>   |            |
| Conventional fastening versions C, D, K, L                          | 00         |
| <b>VERSION</b>  |            |
| Engages for use on one side (for all SmartHandles with electronics) | 1          |
| <b>HANDLE VERSION, OUTSIDE</b>                                      |            |
| L-shaped R (rounded)  | A          |
| L-shaped G (mitred)   | B          |
| U-shaped R (rounded)  | C          |
| U-shaped G (mitred)   | D          |
| U-shaped R (rounded), offset  | E          |
| <b>HANDLE VERSION, INSIDE</b>                                       |            |
| Inside thumb-turn   | K          |
| <b>SURFACE FINISH</b>   |            |
| Stainless steel, brushed  | 1          |
| <b>READER TECHNOLOGY</b>  |            |
| Active  | 1          |

DIGITAL  
SMART HANDLE 3062  
SKG

| Description   | Order code  |
|---|-------------|
| <b>OPTIONS</b>  |             |
| With G2 functions   | G2          |
| Version with access control, time zone control and event logging  | ZK          |
| Weatherproof version (applies to outer side only)   | WP          |
| <b>DIRECT NETWORKING</b>  |             |
| LockNode for integration into the electronic door handle for direct networking of the SmartHandle 3062 with autoconfiguration (can be retrofitted)                    | WNM.LN.I.SH |
| Weatherproof version of the Lock Node for outdoor use   | WP          |
| <b>ORDER PLACEMENT GUIDE</b>  |             |
| You can download an order placement guide for Digital SmartHandles from our website at <a href="http://www.simons-voss.com">www.simons-voss.com</a> under Downloads.. |             |

DIGITAL  
SMART HANDLE 3062  
DOOR MONITORING

// BASIC VERSIONS

| Description   | Order code                                       |
|---|--|
| <b>DIGITAL SMART HANDLE 3062 – DOOR MONITORING – WITH INTEGRATED LOCK NODE</b>  |  |
| Digital SmartHandle 3062 DM – <b>SnapIn – with Door Monitoring</b> and with G2 / ZK and DoorMonitoring functions: Electronic door handle for mounting on doors, with <b>SVP handle lock designed for Euro Profile</b> outer side can be operated with SimonsVoss transponders; inner side is permanently engaged to open. Network-ready: directly networked with integrated LockNode  | SHA*...A**2...1G2ZK***<br>SHA*...B**2...1G2ZK*** |
| Digital SmartHandle 3062 DM – <b>Conventional fastening – with Door Monitoring</b> and with G2 and ZK functions: Electronic door handle for mounting on doors, with <b>SVP handle lock designed for Euro Profile</b> . Outer side can be operated with SimonsVoss transponder; inner side is permanently engaged. Network-ready: directly networked with integrated LockNode  | SHA*...C**2...1G2ZK***<br>SHA*...D**2...1G2ZK*** |
| Digital SmartHandle 3062 DM – <b>SnapIn – with Door Monitoring</b> and with G2 and ZK functions to connect to an (SVP) sensor lock: Electronic door handle for mounting on doors, with <b>SVP sensor lock designed for Euro Profile</b> . Outer side can be operated with SimonsVoss transponder; inner side is permanently engaged. Network-ready: directly networked with integrated LockNode   | SHA*...A**3...1G2ZK***<br>SHA*...B**3...1G2ZK*** |
| Digital SmartHandle 3062 DM – <b>Conventional fastening – with Door Monitoring</b> and with G2 and ZK functions to connect to an (SVP) sensor lock: Electronic door handle for mounting to doors, prepared with a <b>(SVP) handle lock for Euro Profile or Swiss Round</b> , outside can be operated with SimonsVoss transponder, inside is always engaged. Network-ready: directly networked with integrated LockNode  | SHA*...C**3...1G2ZK***<br>SHA*...D**3...1G2ZK*** |
| Digital SmartHandle 3062 DM – <b>Conventional fastening with with MO – with Door Monitoring</b> and G2 and ZK access control functions to connect to a (SVP) sensor lock: electronic door handle for mounting onto doors; with <b>(SVP) sensor lock designed for Euro Profile</b> ; additional options for installing a mechanical cylinder as a secondary lock; outer side can be operated with SimonsVoss transponders; inner side is permanently engaged to open. Network-ready: directly networked with integrated LockNode | SHC*...E-L**3...1G2ZK***                         |
| Digital SmartHandle 3062 DM – <b>Conventional fastening with with MO – with Door Monitoring</b> and G2 and ZK access control functions to connect to a (SVP) sensor lock: electronic door handle for mounting onto doors; with <b>(SVP) sensor lock designed for Swiss Round</b> ; additional options for installing a mechanical cylinder as a secondary lock; outer side can be operated with SimonsVoss transponders; inner side is permanently engaged to open. Network-ready: directly networked with integrated LockNode  | SHD*...E-L**3...1G2ZK***                         |

\* Identifiers for profile:

- A = Euro Profile/Swiss Round
- C = Euro Profile with mechanical override
- D = Swiss Round with mechanical override

\*\* Identifiers for fastening system/backplate

- width:
- A = snap-in, narrow
- B = snap-in, wide
- C = conventional fastening, narrow
- D = conventional fastening, wide
- E-L = versions for mechanical override

\*\*\* Identifier for reader technology/option:

- 1 = active
- G2 = with G2 functions
- ZK = Weatherproof version

DIGITAL  
SMART HANDLE 3062  
DOOR MONITORING

// BASIC VERSIONS

| Description   | Order code                                       |
|---|--|
| <b>DIGITAL SMART HANDLE 3062 – DOOR MONITORING – WITH INTEGRATABLE LOCK NODE</b>  |  |
| Note: LockNode for direct networking can be ordered as an option.   |  |
| Digital SmartHandle 3062 DM – <b>SnapIn – with Door Monitoring</b> and with G2 and ZK and DoorMonitoring functions: Electronic door handle for mounting on doors, with <b>SVP handle lock designed for Euro Profile</b> ; inner handle activation detection, outer side can be operated with SimonsVoss transponder; inner side is permanently engaged ready for use  | SHA*...A**4...1G2ZK***<br>SHA*...B**4...1G2ZK*** |
| Digital SmartHandle 3062 DM – <b>Conventional fastening – with Door Monitoring</b> and with G2 and ZK functions: Electronic door handle for mounting on doors, with <b>SVP handle lock designed for Euro Profile or Swiss Round</b> ; inner handle activation detection, outer side can be operated with SimonsVoss transponder; inner side is permanently engaged ready for use  | SHA*...C**4...1G2ZK***<br>SHA*...D**4...1G2ZK*** |
| Digital SmartHandle 3062 DM – <b>Conventional fastening with MO – with Door Monitoring</b> and with G2 and ZK functions: Electronic door handle for mounting on doors, prepared for an <b>(SVP) handle lock for Euro Profile</b> , additional options for installation of a mechanical cylinder for secondary lock, detection actuation of internal lever handle, outside can be operated with SimonsVoss transponder, inside is always engaged | SHC*...E-L**4...1G2ZK***                         |
| Digital SmartHandle 3062 DM – <b>Conventional fastening with MO – with Door Monitoring</b> and with G2 and ZK functions: Electronic door fitting for mounting on doors, with <b>(SVP) handle lock prepared for Swiss Round</b> , additional options for installing a mechanical cylinder for closing over, inner handle activation detection, outside can be operated with a SimonVoss transponder, inside is always engaged                    | SHD*...E-L**4...1G2ZK***                         |

DIGITAL  
SMART HANDLE 3062  
DOOR MONITORING

// OPTIONS

| Description  | Order code |
|--|------------|
| <b>PROFILE</b>   |            |
| Euro Profile / Swiss Round   | A          |
| Euro Profile with mechanical override (MO)                                   | C          |
| Swiss Round with mechanical override (MO)                                    | D          |
| <b>DOOR THICKNESS</b>  |            |
| 39 – 60 mm   | S          |
| 59 - 80 mm   | M          |
| 79 – 100 mm  | L          |
| <b>SPINDLE</b>   |            |
| 7 mm   | 07         |
| 8 mm   | 08         |
| 8 mm (fire retardant doors)  | F8         |
| 9 mm (fire retardant doors)  | 09         |
| 10 mm  | 10         |
| <b>FASTENING TYPE / BACKPLATE WIDTH:</b>                                     |            |
| Snap-in narrow plate (41 mm)   | A          |
| Snap-in wide plate (53 mm)   | B          |
| Conventional fastening, narrow (41 mm)                                       | C          |
| Conventional fastening, wide (53 mm)   | D          |
| Conventional fastening – MO internal and outside recess, narrow (41 mm)      | E          |
| Conventional fastening – MO internal and outside recess, wide (53 mm)        | F          |
| Conventional fastening – MO internal blind / outside recess, narrow (41 mm)  | G          |
| Conventional fastening – MO internal blind / outside recess, wide (53 mm)    | H          |
| Conventional fastening – MO internal recess / outside blind, narrow (41 mm)  | I          |
| Conventional fastening MO – MO internal recess / outside blind, wide (53 mm) | J          |
| Conventional fastening – MO internal and outside blind, narrow (41 mm)       | K          |
| Conventional fastening with MO – internal and outside blind, wide (53 mm)    | L          |

DIGITAL  
SMART HANDLE 3062  
DOOR MONITORING

| Description  | Order code |
|--|------------|
| <b>CENTRES DISTANCE</b>  |            |
| Conventional fastening versions C, D, K, L   | 00         |
| 70 mm (for snap-in only)   | 70         |
| 72 mm (for SnapIn and Mechanical Override only)  | 72         |
| 75 mm (for SnapIn and Mechanical Override only)  | 75         |
| 78 mm (for SnapIn and Mechanical Override only)  | 78         |
| 85 mm (for SnapIn and Mechanical Override only)  | 85         |
| 88 mm (for SnapIn and Mechanical Override only)  | 88         |
| 90 mm (for SnapIn and Mechanical Override only)  | 90         |
| 92 mm (for SnapIn and Mechanical Override only)  | 92         |
| <b>VERSION</b>   |            |
| Coupled on one side/DoorMonitoring functions   | 2          |
| Engages for use on one side   DoorMonitoring function with connection to SVP sensor lock | 3          |
| Engages for use on one side   DoorMonitoring function inner handle activation detection  | 4          |
| <b>HANDLE VERSION, OUTSIDE</b>   |            |
| L-shaped R (rounded)   | A          |
| L-shaped G (mitred)  | B          |
| U-shaped R (rounded)   | C          |
| U-shaped G (mitred)  | D          |
| U-shaped R (rounded), offset   | E          |
| <b>HANDLE VERSION, INSIDE</b>  |            |
| L-shaped R (rounded)   | A          |
| L-shaped G (mitred)  | B          |
| U-shaped R (rounded)   | C          |
| U-shaped G (mitred)  | D          |
| U-shaped R (rounded), offset   | E          |



DIGITAL  
SMART HANDLE 3062  
DOOR MONITORING

| Description   | Order code  |
|---|-------------|
| <b>SURFACE</b>  |             |
| Stainless steel, brushed  | 1           |
| Brass version   | 3           |
| <b>READER TECHNOLOGY</b>  |             |
| Active  | 1           |
| <b>OPTIONS</b>  |             |
| With G2 functions   | G2          |
| Version with access control, time zone control and event logging  | ZK          |
| Weatherproof version (for outer side only)  | WP          |
| <b>DIRECT NETWORKING FOR DIGITAL SMART HANDLE</b>   |             |
| LockNode for integration into the electronic door handle for direct networking of the SmartHandle 3062 with autoconfiguration (can be retrofitted)                    | WNM.LN.I.SH |
| Weatherproof version of the LockNode for outdoor use, can only be ordered in connection with the weatherproof version of the SmartHandle (WP)                         | WP          |
| <b>ORDER PLACEMENT GUIDE</b>  |             |
| You can download an order placement guide for Digital SmartHandles from our website at <a href="http://www.simons-voss.com">www.simons-voss.com</a> under Downloads.. |             |

DIGITAL  
SMART HANDLE 3062  
SCANDINAVIAN OVAL



// BASIC VERSIONS

| Description  | Order code     |
|--|----------------|
| <b>DIGITAL SMART HANDLE 3062 – Scandinavian Oval</b>   |                |
| Digital SmartHandle 3062 with G2 functions<br>Electronic door handle for mounting on doors, with handle lock designed for Scandinavian Oval; outer side can only be operated with SimonsVoss transponder; inner side is permanently engaged ready for use.   | SHB*.....1G2** |
| Digital SmartHandle 3062 – MO with G2 functions<br>Electronic door handle for mounting on doors; additional options for installing a mechanical cylinder as a secondary lock; with handle lock designed for Scandinavian Oval. Outer side can only be operated with SimonsVoss transponder; inner side is permanently engaged ready for use. | SHE*.....1G2** |
| SmartHandle without electronics  | On request     |

\* Identifiers for profile:

- B = Scandinavian Oval
- E = Scandinavian Oval with Mechanical Override

\*\* Identifiers for fastening system/backplate

- width:
- A = snap-in, narrow
- B = snap-in, wide
- C = conventional fastening, narrow
- D = conventional fastening, wide
- E-L = versions for mechanical override

\*\*\* Identifier for reader technology/option:

- 1 = active
- G2 = with G2 functions

DIGITAL  
SMART HANDLE 3062  
SCANDINAVIAN OVAL

// OPTIONS

| Description  | Order code |
|--|------------|
| <b>PROFILE</b>   |            |
| Scandinavian Oval  | B          |
| Scandinavian Oval with Mechanical Override (MO)                              | E          |
| <b>DOOR THICKNESS</b>  |            |
| 33 - 54 mm   | S          |
| 53 - 74 mm   | M          |
| 73 - 94 mm   | L          |
| <b>DOOR THICKNESS SCANDINAVIAN OVAL WITH DRILLING PROTECTION</b>             |            |
| 30 - 51 mm (for versions with drilling protection DP only)                   | S          |
| 50 - 71 mm (for versions with drilling protection DP only)                   | M          |
| 70 - 91 mm (for versions with drilling protection DP only)                   | L          |
| <b>SPINDLE</b>   |            |
| 7 mm   | 07         |
| 8 mm   | 08         |
| 8 mm (fire retardant doors)  | F8         |
| 9 mm (fire retardant doors)  | 09         |
| 10 mm (with adapter sleeve)  | 10         |
| <b>FASTENING TYPE / BACKPLATE WIDTH:</b>                                     |            |
| Conventional fastening, narrow (41 mm)                                       | C          |
| Conventional fastening, wide (53 mm)   | D          |
| Conventional fastening - MO internal and outside recess, narrow (41 mm)      | E          |
| Conventional fastening - MO internal and outside recess, wide (53 mm)        | F          |
| Conventional fastening - MO internal blind / outside recess, narrow (41 mm)  | G          |
| Conventional fastening - MO internal blind / outside recess, wide (53 mm)    | H          |
| Conventional fastening - MO internal recess / outside blind, narrow (41 mm)  | I          |
| Conventional fastening MO - MO internal recess / outside blind, wide (53 mm) | J          |
| Conventional fastening - MO internal and outside blind, narrow (41 mm)       | K          |
| Conventional fastening with MO - internal and outside blind, wide (53 mm)    | L          |

DIGITAL  
SMART HANDLE 3062  
SCANDINAVIAN OVAL

| Description   | Order code |
|---|------------|
| <b>CENTRES DISTANCE</b>   |            |
| Adapter fastening   | 00         |
| 96 mm (not for Mechanical Override)                                 | 96         |
| 105 mm (for Mechanical Override only)                               | 05         |
| <b>VERSION</b>  |            |
| Engaged (for SmartHandle without electronics only)                  | 0          |
| Engages for use on one side (for all SmartHandles with electronics) | 1          |
| <b>HANDLE VERSION, OUTSIDE</b>                                      |            |
| L-shaped R (rounded)  | A          |
| L-shaped G (mitred)   | B          |
| U-shaped R (rounded)  | C          |
| U-shaped G (mitred)   | D          |
| U-shaped R (rounded), offset  | E          |
| <b>HANDLE VERSION, INSIDE</b>                                       |            |
| L-shaped R (rounded)  | A          |
| L-shaped G (mitred)   | B          |
| U-shaped R (rounded)  | C          |
| U-shaped G (mitred)   | D          |
| U-shaped R (rounded), offset  | E          |
| <b>SURFACE</b>  |            |
| Stainless steel, brushed  | 1          |
| Brass version   | 3          |
| <b>READER TECHNOLOGY</b>  |            |
| No electronics  | 0          |
| Active  | 1          |

DIGITAL  
SMART HANDLE 3062  
SCANDINAVIAN OVAL

| Description  | Order code  |
|--|-------------|
| <b>OPTIONS</b>   |             |
| With G2 functions  | G2          |
| Version with access control, time zone control and event logging   | ZK          |
| Weatherproof version (for outer side only)   | WP          |
| <b>DIRECT NETWORKING FOR DIGITAL SMART HANDLE</b>  |             |
| LockNode for integration into the electronic door handle for direct networking of the SmartHandle 3062 with autoconfiguration (can be retrofitted)                   | WNM.LN.I.SH |
| Weatherproof version of the LockNode for outdoor use, can only be ordered in connection with the weatherproof version of the SmartHandle (WP)                        | WP          |
| <b>ORDER PLACEMENT GUIDE</b>   |             |
| You can download an order placement guide for Digital SmartHandles from our website at <a href="http://www.simons-voss.com">www.simons-voss.com</a> under Downloads. |             |

DIGITAL  
SMART HANDLE 3062  
SCANDINAVIAN OVAL –  
DOOR MONITORING

// BASIC VERSIONS

| Description  | Order code                                       |
|--|--|
| <b>DIGITAL SMART HANDLE 3062 – DOOR MONITORING – WITH INTEGRATED LOCK NODE</b>   |  |
| Digital SmartHandle 3062 DM – <b>SnapIn – with Door Monitoring</b> and with G2 / ZK and DoorMonitoring functions: Electronic door handle for mounting on doors, with <b>SVP handle lock designed for Scandinavian Oval</b> outer side can be operated with SimonsVoss transponders; inner side is permanently engaged to open. Network-ready: directly networked with integrated LockNode  | SHB*...C**3...1G2ZK***<br>SHB*...D**3...1G2ZK*** |
| Digital SmartHandle 3062 DM – <b>Conventional fastening with MO – with Door Monitoring</b> and G2 and ZK access control functions to connect to a (SVP) sensor lock: electronic door handle for mounting onto doors; with <b>(SVP) handle lock designed for Scandinavian Oval</b> ; additional options for installing a mechanical cylinder as a secondary lock; outer side can be operated with MIFARE® SmartCards/SmartTags; inner side is permanently engaged to open. Network-ready: directly networked with integrated LockNode | SHE*...E-L**3...1G2ZK***                         |
| <b>DIGITAL SMART HANDLE 3062 – DOOR MONITORING – WITH INTEGRATABLE LOCK NODE</b>   |  |
| Note: LockNode for direct networking can be ordered as an option.  |  |
| Digital SmartHandle 3062 DM – <b>Conventional fastening – with Door Monitoring</b> and with G2 and ZK functions: Electronic door handle for mounting on doors, with <b>SVP sensor lock designed for Scandinavian Oval</b> ; inner handle activation detection, outer side can be operated with SimonsVoss transponder; inner side is permanently engaged ready for use   | SHB*...C**4...1G2ZK***<br>SHB*...D**4...1G2ZK*** |
| Digital SmartHandle 3062 DM – <b>Conventional fastening with MO – with Door Monitoring</b> and with G2 and ZK functions: Electronic door handle for mounting on doors, prepared for <b>Scandinavian Oval with a (SVP) handle lock</b> , additional options for installation of a mechanical cylinder for secondary lock, detection actuation of internal lever handle, outside can be operated with SimonsVoss transponder, inside is always engaged   | SHE*...E-L**4...1G2ZK***                         |

\* Identifiers for profile:

- B = Scandinavian Oval (SO)
- E = SOI with Mechanical Override

\*\* Identifiers for fastening system/backplate

- width:
- C = conventional fastening, narrow
- D = conventional fastening, wide
- E-L = versions for mechanical override

\*\*\* Identifier for reader technology/option:

- 1 = active
- G2 = with G2 functions
- ZK = Weatherproof version

DIGITAL  
SMART HANDLE 3062  
SCANDINAVIAN OVAL –  
DOOR MONITORING

// OPTIONS

| Description  | Order code |
|--|------------|
| <b>PROFILE</b>   |            |
| Scandinavian Oval  | B          |
| Scandinavian Oval with Mechanical Override (MO)                              | E          |
| <b>DOOR THICKNESS</b>  |            |
| 33 - 54 mm   | S          |
| 53 - 74 mm   | M          |
| 73 - 94 mm   | L          |
| <b>DOOR THICKNESS SCANDINAVIAN OVAL WITH DRILLING PROTECTION</b>             |            |
| 30 - 51 mm (for versions with drilling protection DP only)                   | S          |
| 50 - 71 mm (for versions with drilling protection DP only)                   | M          |
| 70 - 91 mm (for versions with drilling protection DP only)                   | L          |
| <b>SPINDLE</b>   |            |
| 8 mm   | 08         |
| 8 mm (fire retardant doors)  | F8         |
| 9 mm (fire retardant doors)  | 09         |
| 10 mm  | 10         |
| <b>FASTENING TYPE / BACKPLATE WIDTH:</b>                                     |            |
| Conventional fastening, narrow (41 mm)                                       | C          |
| Conventional fastening, wide (53 mm)   | D          |
| Conventional fastening – MO internal and outside recess, narrow (41 mm)      | E          |
| Conventional fastening – MO internal and outside recess, wide (53 mm)        | F          |
| Conventional fastening – MO internal blind / outside recess, narrow (41 mm)  | G          |
| Conventional fastening – MO internal blind / outside recess, wide (53 mm)    | H          |
| Conventional fastening – MO internal recess / outside blind, narrow (41 mm)  | I          |
| Conventional fastening MO – MO internal recess / outside blind, wide (53 mm) | J          |
| Conventional fastening – MO internal and outside blind, narrow (41 mm)       | K          |
| Conventional fastening with MO – internal and outside blind, wide (53 mm)    | L          |

DIGITAL  
SMART HANDLE 3062  
SCANDINAVIAN OVAL –  
DOOR MONITORING

| Description  | Order code |
|--|------------|
| <b>CENTRES DISTANCE</b>  |            |
| 96 mm (not for Mechanical Override)  | 96         |
| 105 mm (for Mechanical Override only)  | 05         |
| <b>VERSION</b>   |            |
| Engages for use on one side   DoorMonitoring function with connection to SVP sensor lock | 3          |
| Engages for use on one side   DoorMonitoring function inner handle activation detection  | 4          |
| <b>HANDLE VERSION, OUTSIDE</b>   |            |
| L-shaped R (rounded)   | A          |
| L-shaped G (mitred)  | B          |
| U-shaped R (rounded)   | C          |
| U-shaped G (mitred)  | D          |
| U-shaped R (rounded), offset   | E          |
| <b>HANDLE VERSION, INSIDE</b>  |            |
| L-shaped R (rounded)   | A          |
| L-shaped G (mitred)  | B          |
| U-shaped R (rounded)   | C          |
| U-shaped G (mitred)  | D          |
| U-shaped R (rounded), offset   | E          |



DIGITAL  
SMART HANDLE 3062  
SCANDINAVIAN OVAL –  
DOOR MONITORING

| Description  | Order code  |
|--|-------------|
| <b>SURFACE</b>   |             |
| Stainless steel, brushed   | 1           |
| Brass version  | 3           |
| <b>READER TECHNOLOGY</b>   |             |
| Active   | 1           |
| <b>OPTIONS</b>   |             |
| With G2 functions  | G2          |
| Version with access control, time zone control and event logging   | ZK          |
| Version with drilling protection   | DP          |
| Weatherproof version (for outer side only)   | WP          |
| <b>DIRECT NETWORKING FOR DIGITAL SMART HANDLE</b>  |             |
| LockNode for integration into the electronic door handle for direct networking of the SmartHandle 3062 with autoconfiguration (can be retrofitted) | WNM.LN.I.SH |
| Weatherproof version of the LockNode for outdoor use, can only be ordered in connection with the weatherproof version of the SmartHandle (WP)      | WP          |

**ORDER PLACEMENT GUIDE**

You can download an order placement guide for Digital SmartHandles from our website at [www.simons-voss.com](http://www.simons-voss.com) under Downloads.

# DIGITAL SMART HANDLE 3062

COMPOSITION OF THE ITEM NO. SHOWN IN EXAMPLE:

|  |    |    |   |    |   |   |   |   |   |    |  |
|--|----|----|---|----|---|---|---|---|---|----|--|
| <b>Identifier for electronic door handle = SH</b>                              |    |    |   |    |   |   |   |   |   |    |  |
| Profile: <b>A=Euro Profil/Swiss Round</b>                                      |    |    |   |    |   |   |   |   |   |    |  |
| B = Scandinavian Oval  |    |    |   |    |   |   |   |   |   |    |  |
| C=Euro Profile with Mechanical Override (MO)                                   |    |    |   |    |   |   |   |   |   |    |  |
| D=Swiss Round with MO  |    |    |   |    |   |   |   |   |   |    |  |
| E = Scandinavian Oval with MO  |    |    |   |    |   |   |   |   |   |    |  |
| Profile/door thickness: <b>S =39-60 mm or 33-54 mm for SO, 30-51 for SO.DP</b> |    |    |   |    |   |   |   |   |   |    |  |
| M =59-80 mm or 53-74 mm for SO, 50-71 mm for SO.DP                             |    |    |   |    |   |   |   |   |   |    |  |
| L =79-100 mm or 73-94 mm for SO, 70-91 mm for SO.DP                            |    |    |   |    |   |   |   |   |   |    |  |
| Spindle: 07 = 7 mm   |    |    |   |    |   |   |   |   |   |    |  |
| 08 = 8 mm  |    |    |   |    |   |   |   |   |   |    |  |
| F8 = 8 mm (fire retardant doors)   |    |    |   |    |   |   |   |   |   |    |  |
| 09 = 9 mm (fire retardant doors)   |    |    |   |    |   |   |   |   |   |    |  |
| <b>10 = 10 mm</b> (with adapter sleeve)  |    |    |   |    |   |   |   |   |   |    |  |
| 8.5 mm (via sleeve SH.HUELSE.8.5, see Accessories)                             |    |    |   |    |   |   |   |   |   |    |  |
| Fastening type/plate width: A = SnapIn narrow (41 mm)                          |    |    |   |    |   |   |   |   |   |    |  |
| <b>B = SnapIn wide (53 mm)</b>   |    |    |   |    |   |   |   |   |   |    |  |
| C = Conventional fastening, narrow (41 mm)                                     |    |    |   |    |   |   |   |   |   |    |  |
| D = Conventional fastening, wide (53 mm)                                       |    |    |   |    |   |   |   |   |   |    |  |
| E = Conventional fastening, MO – recess inside and outside, narrow (41 mm)     |    |    |   |    |   |   |   |   |   |    |  |
| F = Conventional fastening, MO – recess inside and outside, wide (53 mm)       |    |    |   |    |   |   |   |   |   |    |  |
| G = Conventional fastening, MO – inside blank/recess outside, narrow (41 mm)   |    |    |   |    |   |   |   |   |   |    |  |
| H = Conventional fastening, MO – inside blank/recess outside, wide (53 mm)     |    |    |   |    |   |   |   |   |   |    |  |
| I = Conventional fastening, MO – inside recess/outside blank, narrow (41 mm)   |    |    |   |    |   |   |   |   |   |    |  |
| J = Conventional fastening, MO – inside recess/outside blank, wide (53 mm)     |    |    |   |    |   |   |   |   |   |    |  |
| K = Conventional fastening, MO – inside and outside blank, narrow (41 mm)      |    |    |   |    |   |   |   |   |   |    |  |
| L = Conventional fastening, MO – inside and outside blank, wide (53 mm)        |    |    |   |    |   |   |   |   |   |    |  |
| Centres distance: 00 = Conventional fastening system                           |    |    |   |    |   |   |   |   |   |    |  |
| 70 = 70 mm   |    |    |   |    |   |   |   |   |   |    |  |
| 72 = 72 mm   |    |    |   |    |   |   |   |   |   |    |  |
| 74 = 74 mm (for Swiss Round only)  |    |    |   |    |   |   |   |   |   |    |  |
| 75 = 75 mm   |    |    |   |    |   |   |   |   |   |    |  |
| 78 = 78 mm   |    |    |   |    |   |   |   |   |   |    |  |
| <b>85 = 85 mm</b>  |    |    |   |    |   |   |   |   |   |    |  |
| 88 = 88 mm   |    |    |   |    |   |   |   |   |   |    |  |
| 90 = 90 mm   |    |    |   |    |   |   |   |   |   |    |  |
| 92 = 92 mm   |    |    |   |    |   |   |   |   |   |    |  |
| 94 = 94 mm (for Swiss Round only)  |    |    |   |    |   |   |   |   |   |    |  |
| 96 = 96 mm (for Scandinavian Oval only)  |    |    |   |    |   |   |   |   |   |    |  |
| 05 = 105 mm (for Scandinavian Oval only)                                       |    |    |   |    |   |   |   |   |   |    |  |
| Version: 0 = engaged (without electronics, not for Scandinavian Oval)          |    |    |   |    |   |   |   |   |   |    |  |
| <b>1 = coupling on one side</b>  |    |    |   |    |   |   |   |   |   |    |  |
| Handle variant outside: <b>A = L-shaped R (rounded, curved)</b>                |    |    |   |    |   |   |   |   |   |    |  |
| B = L-shaped G (mitred)  |    |    |   |    |   |   |   |   |   |    |  |
| C = U-shaped R (round curved)  |    |    |   |    |   |   |   |   |   |    |  |
| D = U-shaped (mitred)  |    |    |   |    |   |   |   |   |   |    |  |
| E = U-shaped R (rounded, curved), offset                                       |    |    |   |    |   |   |   |   |   |    |  |
| Handle versions, inside: <b>A = L-shaped R (rounded, curved)</b>               |    |    |   |    |   |   |   |   |   |    |  |
| B = L-shaped G (mitred)  |    |    |   |    |   |   |   |   |   |    |  |
| C = U-shaped R (rounded, curved)   |    |    |   |    |   |   |   |   |   |    |  |
| D = U-shaped G (mitred)  |    |    |   |    |   |   |   |   |   |    |  |
| E = U-shaped R (rounded, curved), offset                                       |    |    |   |    |   |   |   |   |   |    |  |
| Surface finish: <b>1 = brushed stainless steel</b>                             |    |    |   |    |   |   |   |   |   |    |  |
| 3 = brass  |    |    |   |    |   |   |   |   |   |    |  |
| Reader technology: 0 = without electronics                                     |    |    |   |    |   |   |   |   |   |    |  |
| <b>1 = Active</b>  |    |    |   |    |   |   |   |   |   |    |  |
| 2 = Hybrid   |    |    |   |    |   |   |   |   |   |    |  |
| 3 = MIFARE® Pure   |    |    |   |    |   |   |   |   |   |    |  |
| Options: <b>G2, ZK, WP, DP</b> ((for SO and SKG only),<br>E1 (PAS24)           |    |    |   |    |   |   |   |   |   |    |  |
| SH   | AS | 10 | B | 85 | 1 | A | A | 1 | 1 | G2 |  |

Item code for the aforementioned example: SHAS10B851AA11G2

ACTIVE TECHNOLOGY

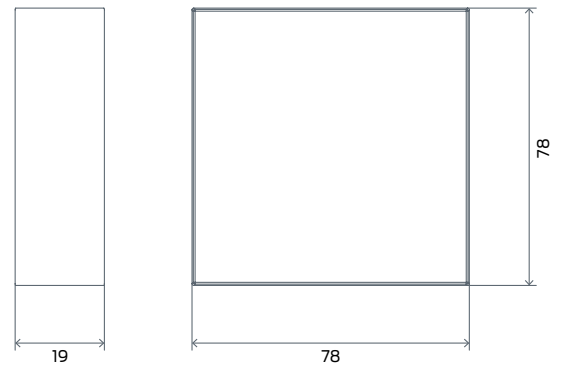
# DIGITAL SMART RELAY 3063



# DIGITAL SMART RELAY 3063



Digital SmartRelay 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 third-party systems, such as time-and-attendance systems, cashless vending systems or facility management.



Measurements indicated in mm

## // TECHNICAL SPECIFICATIONS

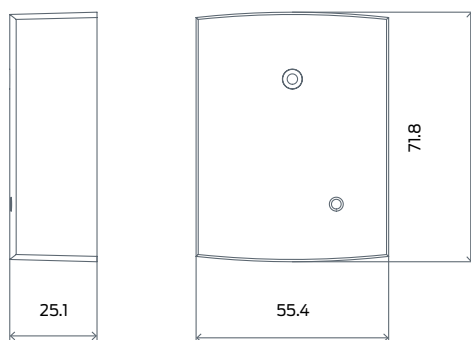
- ⌘ Housing made of white polyamide 6.6  
Dimensions: 78 x 78 x 19 mm (H x W x D)
- ⌘ Housing made of black plastic (polyamide 6.6)  
Dimensions: 55.4 x 71.8 x 25.1 mm (H x W x D)
- ⌘ Standard protection rating IP 20, not suitable for unprotected use outdoors
- ⌘ Typical read range: up to 120 cm
- ⌘ Temperature range: Operational -22 °C to +55 °C
- ⌘ Air humidity: < 95 % without condensation
- ⌘ Circuit board dimensions: 50 x 50 x 14 mm (H x W x D)
- ⌘ LockNode for direct networking of the SmartRelay-G2 can be integrated into the SmartRelay housing (only for version \*W)
- ⌘ Mains voltage: 12 VAC (for SREL only) or 5–24 V DC (no polarity protection),
- ⌘ Power limitation: Mains adapter must be limited to 15 VA
- ⌘ 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)

## // TECHNICAL SPECIFICATIONS FOR OUTPUT RELAY

- ⌘ Type: Changeover contact
- ⌘ 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 24 VA
- ⌘ Multi-function connections F1, F2, F3: max. 24 VDC, max. 50 mA
- ⌘ Vibrations: 15 G for 11 ms, 6 shocks in accordance with IEC 68-2-27; not approved for use when subject to permanent vibrations

DIGITAL  
SMART RELAY 3063

Version with housing made from black plastic



Measurements indicated in mm

// PRODUCT VERSIONS

DIGITAL SMART RELAY

|   |            |
|---|------------|
| Digital SmartRelay 3063 with G2 functionality in black housing, basic version with integrated antenna, flip-flop function, backup battery and connection for external antenna (SREL.AV) | SREL.G2    |
| Digital SmartRelay 3063 with G2 functionality in black housing, like SREL.G2, but with access control, Time zone management and events logging  | SREL.ZK.G2 |
| Version in white design housing, for surface mount; no connection for external antenna (SREL.AV); can be used together with LN.I.SREL.G2 (must be ordered separately)                   | .W         |

SMART RELAY ADVANCED

|  |          |
|--|----------|
| SmartRelay Advanced, version with integrated antenna, access control and time zone control, serial ports, bus-enabled for connecting external modules, connection for external antenna (SREL.AV), connection for external LED/buzzer, flip-flop function, repeater function; includes backup batteries (for G1 systems only) | SREL.ADV |
| External antenna for connecting SmartRelay Advanced and all SREL2 versions (cable 5 m long)  | SREL.AV  |

ACCESSORIES

|   |          |
|---|----------|
| Battery for SmartRelay in black housing (not for Gateway applications or together with direct networking) for operation without external power supply, including soldered connector cable, including plug connector to SmartRelay, Battery type: lithium 1/2 AA | SREL.BAT |
|---|----------|

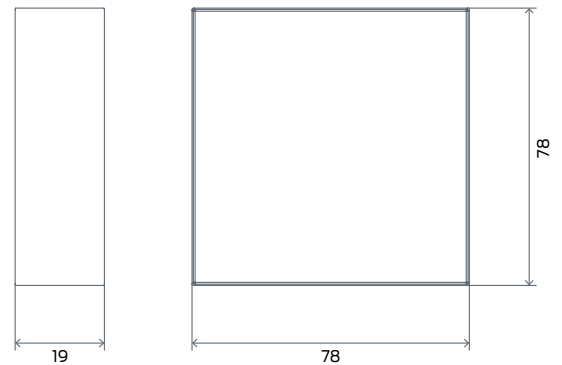
DIRECT NETWORKING

|  |                  |
|--|------------------|
| LockNode which can be integrated into the white SmartRelay housing (for version *.W only) to directly network SmartRelay 3063 with auto-configuration (can be retrofitted) | WNM.LN.I.SREL.G2 |
|--|------------------|

# DIGITAL SMART RELAY 2 3063



The digital SmartRelay 2 3063 is an electronic switch that can be switched with an ID medium from SimonsVoss. SmartRelay thus performs the function of an access control reader or a key switch.



Measurements indicated in mm

## // CUSTOMER BENEFITS

- :: Intelligent additional component for locking devices
- :: User-friendly operation with transponder technology
- :: Versatile application: e.g. for opening doors, gates, barriers or also for switching light and machines
- :: Connection to external systems, e.g. time recording or canteen accounting
- :: Instantly wireless network-ready

## // TECHNICAL SPECIFICATIONS

- :: Housing made of white polyamide 6.6  
Dimensions: 78 x 78 x 19 mm (H x W x D)  
Semi-transparent base plate
- :: Standard protection rating IP 20,  
IP 65 as WP variant
- :: Air 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)
- :: Mains voltage: 9–24 VDC
- :: Power limitation: Mains adapter must be limited to 15 VA
- :: 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, NO 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 VA
- ⌘ Multi-function connections F1, F2, F3: max. 24 VDC, max. 50 mA
- ⌘ Loggable access events: 3,600 access events can be logged, 200 access events as gateway
- ⌘ Time zone groups: 100
- ⌘ Number of ID media which can be managed per locking cylinder: up to 64,000
- ⌘ Networking capability: Network-ready with integrated LockNode (WNM.LN.I.SREL2.G2) or via external LockNode with added door monitoring function

// PRODUCT VERSIONS

DIGITAL SMARTRELAY 2

|   |                   |
|---|-------------------|
| Digital SmartRelay 2 3063: Version in white housing for transponders (active), relay contact as NO contact (reversible to break contact); can only be operated with direct current (9 to 24 VDC); can be directly networked with integrated LockNode WNM.LN.I.SREL2.G2 (must be ordered separately); with connection available for an external antenna (SREL.AV)  | SREL2.G2.W        |
| Digital SmartRelay 2 3063: Version in white housing for transponders (active); with access control, time zone management and events logging; relay contact as NO contact (reversible to break contact); can only be operated with direct current (9 to 24 VDC); can be directly networked with integrated LockNode WNM.LN.I.SREL2.G2 (must be ordered separately); with connection available for an external antenna (SREL.AV)  | SREL2.ZK.G2.W     |
| Digital SmartRelay 2 3063: Version in white housing, for transponders (active), with access control, time zone control and event logging. Relay contact as NO contact (reversible to break contact); with serial port and the option of triggering the SREL2 through an external circuit (potential-free NO contact); can only be operated with direct current (9 to 24 VDC); can be directly networked with integrated LockNode WNM.LN.I.SREL2.G2 (must be ordered separately); with connection available for an external antenna (SREL.AV); designed to also house an internal MIFARE® card reader and able to connect one or two additional external MIFARE® card readers (readers ordered separately) | SREL2.ZK.MH.G2.W  |
| <b>ACCESSORIES</b>  |                   |
| Weatherproof version for external readers, including connection cable (about 1 m long), IP65  | .WP               |
| Protective housing for SmartRelay 2 and its external reader for outdoor use   | SREL2.COVER1      |
| External antenna for connecting to all SmartRelay 2 versions (cable 5 m long)   | SREL.AV           |
| <b>DIRECT NETWORKING</b>  |                   |
| LockNode to be integrated into the SmartRelay housing for direct networking of SmartRelay 2 3063 with auto-configuration (can be retrofitted)   | WNM.LN.I.SREL2.G2 |

ACTIVE TECHNOLOGY

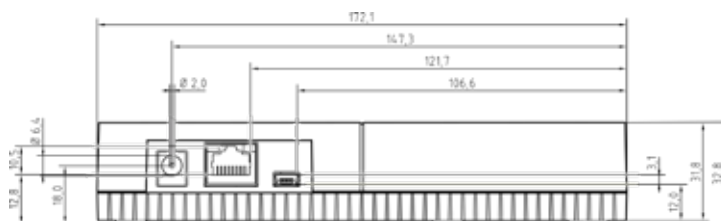
# DIGITAL SMART RELAY 3 ADVANCED





# DIGITAL SMART RELAY 3 ADVANCED CONTROLLER

The SmartRelay 3 Advanced is a high-performance control unit consisting of a controller and up to three readers. Installed in a virtual network, it acts as a high-performance gateway, transmitting access rights and modified configurations to identification media. Up to three external readers can be connected, which can be ordered for active (transponder) and / or passive identification media (SmartCard). A fast IP connection via Ethernet (including PoE) ensures instant transmission and updates, even for larger data volumes.



Measurements indicated in mm

## // BENEFITS

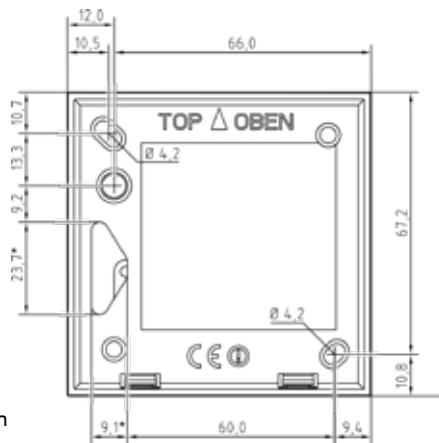
- :: Intelligent networked control unit for expanding any locking system
- :: High-performance gateway in the virtual network (transfer of updated access rights to identification media)
- :: Immediate transmission even of large amounts of data via Ethernet (PoE-capable)
- :: Control e.g. of sliding doors, barriers, roller shutters
- :: Access logging differentiated according to readers
- :: Connection of up to three external hybrid readers with optical and acoustic signalling
- :: Three digital inputs for various applications, such as door monitoring with external sensors
- :: Possibility of connection to third-party systems, e.g. time recording
- :: Any combination of all types of networking in a locking system (offline, virtual networking, online)
- :: Expansion by up to 116 relay outputs with the Smart Output Module MOD.SOM8 (optionally available)

## // TECHNICAL SPECIFICATIONS

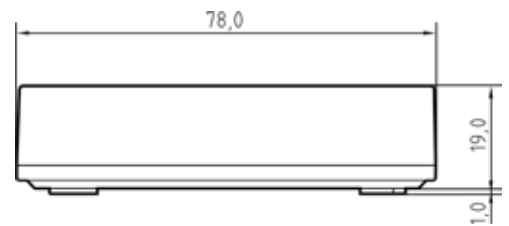
### Controller

- :: Basic version (SREL3.CTR.ADV.G2),  
Basic version with access control, time zone control and event logging, (SREL3.CTR.ADV.ZK.G2)
- :: Dimensions [L x W x H]: 172 x 86 x 33 mm
- :: colour: RAL 9016 traffic white
- :: Housing: Plastic (ABS)
- :: Power supply: 9 - 32 VDC, max. 200 mA.  
Via round plug 5.5 mm or screw terminals on the board, alternatively PoE (IEEE 802.3af)
- :: Interface/connections
  - :: RS485 (3x reader connection)
  - :: TCP/IP (network connection)
  - :: USB (initial programming)
  - :: 1x relay output (potential-free changeover contact)
  - :: Serial interface for connection to third-party systems
  - :: 3 digital inputs (1 x push-button input for door opening),  
2 x e.g. for door contact)
- :: Standard protection rating IP20
- :: Signalling: Visual (LED – RGB)
- :: Temperature range: Operational: –25 °C to +60 °C
- :: Humidity: max. 90%, non-condensing

# DIGITAL SMART RELAY 3 ADVANCED READER



\* not with  
WP version



Measurements indicated in mm



## // TECHNICAL SPECIFICATIONS

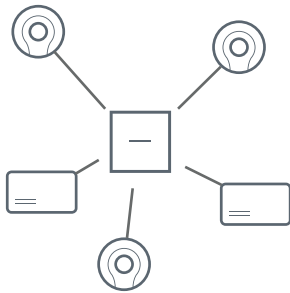
### Reader

- :: External reader (SREL3.EXT.G2.W),  
External reader as weatherproof version (SREL3.EXT.G2.WWP)
- :: Dimensions (L x W x H) approx. 78 x 78 x 19 mm
- :: Colour: RAL 9016 traffic white
- :: Housing: Plastic (ABS)
- :: Power supply: Via the controller or alternatively via external power supply unit
- :: Interface/connections
  - :: RS485: Connection to controller (recommended cable length: up to 150m, Cat5 or higher)
  - :: Active transponder technology (25 kHz, range 0-60 cm)
  - :: RFID (13.56 MHz, range 0-15 mm) - Supported cards-templates: MIFARE® Classic and MIFARE® DESFire® EV1/EV2
  - :: Power supply
- :: Standard protection rating IP20, IP65 for weatherproof version
- :: Signalling: Visual (LED – RGB), acoustic (buzzer)
- :: Temperature range: Operational: -25 °C to +60 °C
- :: Humidity: max. 90%, non-condensing

# DIGITAL SMART RELAY 3 ADVANCED



## // EXAMPLES OF USE



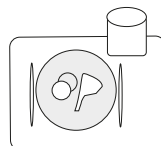
**Virtual network**  
booking station for  
updating access rights



**Circuit** e.g. from  
Doors, barriers, rolling gates  
and garage doors



**Elevator control**  
Individual access  
authorisations for  
floors



**Connection to third-party  
systems** such as a canteen  
billing system via the serial  
interface

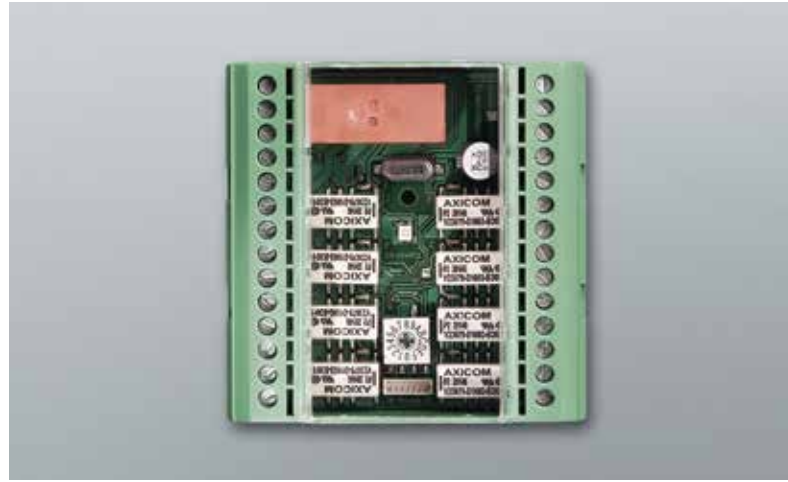
DIGITAL  
SMARTRELAY 3 ADVANCED



// PRODUCT VERSIONS

| Description  | Order code          |
|--|---------------------|
| <b>DIGITAL SMART RELAY 3 ADVANCED</b>  |                     |
| SmartRelay 3 Advanced Controller Base Unit; can be used as a gateway in a virtual network, TCP/IP interface, PoE, USB and RS-485 port, up to 3 external readers can be connected; one relay output; MOD.SOM8 can be connected  | SREL3.CTR.ADV.G2    |
| SmartRelay 3 Advanced Controller Base Unit with access control, time zone management and events logging; can be used as a gateway in a virtual network, TCP/IP interface, PoE, USB and RS-485 port, up to 3 external readers can be connected; one relay output; MOD.SOM8 can be connected | SREL3.CTR.ADV.ZK.G2 |
| External reader in white housing to install in a non-secured area; connection to SmartRelay 3 Advanced Controller Base Unit via RS-485 cable (not included in supply package)  | SREL3.EXT.G2.W      |
| Extra charge for weatherproof external reader for SmartRelay 3 Advanced, including connecting cable (about 2 m long), IP65   | .WP                 |
| SmartOutput module: Additional module for Advanced models with 8 relay outputs which can be switched via a control unit using transponders/SmartCards. Cable connection to controller RS 485 (not included in package)   | MOD.SOM8            |
| Protective housing: both for the SmartRelay2 and its external reader as well as for the external reader of the SmartRelay 3 Advanced   | SREL2.COVER1        |

# DIGITAL SMART OUTPUT MODULE



The Smart Output Module has eight isolated relay outputs and is connected to SmartRelay Advanced / SmartRelay 3 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)
- ⌘ Standard protection rating IP20; not suitable for unprotected use outdoors
- ⌘ Temperature range: Operational 0 °C to +60 °C  
Storage: 0 °C to +70 °C
- ⌘ Air humidity: < 90 % without condensation
- ⌘ Mains voltage: 11 to 15 VDC, recommended 12 VDC, regulated
- ⌘ Power limitation: Mains adapter must be limited to 15 VA
- ⌘ Standby current: < 120 mA
- ⌘ Max. current: < 150 mA
- ⌘ Pulse duration can be programmed between 0.1 and 25.5 sec.
- ⌘ Output relay type: normally opened
- ⌘ 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 power: 10<sup>6</sup> activations at 24 VA
- ⌘ 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. 1 VA
- ⌘ Output 1 switching behaviour when voltage below target:  
U<sub>v</sub> < 10,5 +/- 0.5 V
- ⌘ Up to 16 modules for up to 116 floors  
can be managed by each SmartRelay Advanced
- ⌘ Up to 15 modules for up to 120 floors can be managed by each  
SmartRelay 3 Advanced

## // PRODUCT VERSIONS

### Smart Output Module

Additional module for Advanced models with 8 relay outputs that can be switched via a control unit via transponder/smart card. Cable connection to controller RS-485 (not included in package)

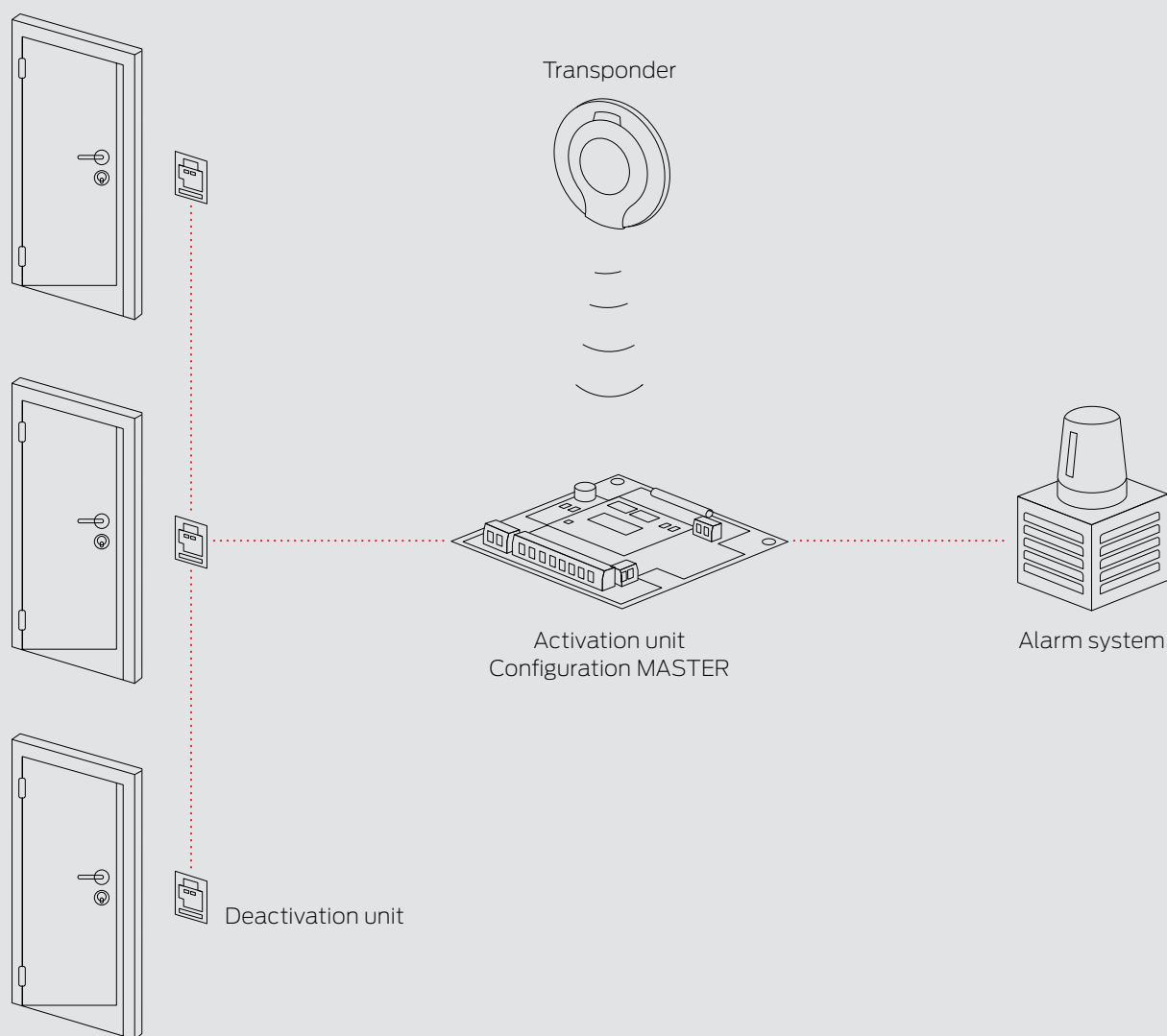
MOD.SOM8

ACTIVE TECHNOLOGY

# VDS BLOCK LOCK



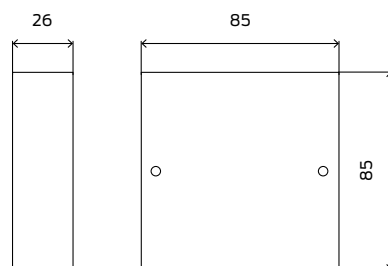
# HOW IT WORKS VDS BLOCK LOCK



## VDS BLOCK LOCK 3066



The block lock function enables users to arm and disarm alarm systems in compliance with VdS regulations using an authorised transponder in System 3060. The alarm system can only be armed if all doors within the security area are locked. As soon as the alarm system is armed, the secured doors can no longer be opened inadvertently (unavoidable). The doors can still be opened in an emergency, such as a fire.



Measurements indicated in mm

The block lock function is implemented, firstly, by activation units (a master plus additional slaves if required) controlled by transponders. Deactivation units also prevent unintentional entry into the alarm-protected area as they deactivate locking cylinders or SmartRelays when armed, thus stopping doors from being opened.

### // TECHNICAL SPECIFICATIONS

- :: White ABS plastic housing
- :: Dimensions: 85 x 85 x 26 mm (H x W x D)
- :: Standard protection rating VdS environmental class: II
- :: Operating voltage: 8 to 16 VDC
- :: Power consumption: < 30 mA
- :: Relay permanent current: max. 1 A; relay switch-on current: max. 1 A
- :: Relay switching current: max. 40 VAC; relay switching power: max. 30 W / 60 VA
- :: Cover contact - normally open contact: 1 A / 30 VDC
- :: Typical transponder read range in a VdS-compliant installation with separate antenna: about 2 cm
- :: Temperature range: -10 °C to +55 °C

### // PRODUCT VERSIONS

|  |                 |
|--|-----------------|
| Block lock activation unit as master with VdS approval up to Class C; with access control, time zone control and event logging | BS.SCHALT.VDS.M |
| Block lock activation unit as slave with VdS approval up to Class C; with access control, time zone control and event logging  | BS.SCHALT.VDS.S |
| Block lock deactivation unit as slave with VdS approval up to Class C  | BS.DEAK.VDS     |
| Version with separate antenna  | .AV             |
| Aluminium sleeve for separate antenna. This sleeve reduces the read range of separate antenna to about 2 cm                    | BV10.010500     |



ACTIVE TECHNOLOGY

# OTHER PRODUCTS



# DIGITAL FURNITURE LOCKS M400



## // TECHNICAL SPECIFICATIONS:

- ⌘ Dimensions: (WxHxD) 64 x 100 x 21 mm
- ⌘ Bolt length: 14 mm (extended)
- ⌘ Standard protection rating IP 40
- ⌘ Battery type: 2 x AA Mignon cells 1.5 V (alkaline)
- ⌘ Battery life:  
Up to 2 years with an average of 10 activations per working day
- ⌘ Temperature range:  
Operational: +55°C to +40°C
- ⌘ Deadbolt compressive force: Max 0.5 N (no physical force required)
- ⌘ Reading distance: up to 30 cm
- ⌘ Up to 3,000 access events can be stored
- ⌘ Time zone groups: 100
- ⌘ Up to 64,000 transponders can be administered per furniture lock
- ⌘ Incl. access control, time zone control and event logging
- ⌘ Network-ready with integrated LockNode



## // PRODUCT VERSIONS

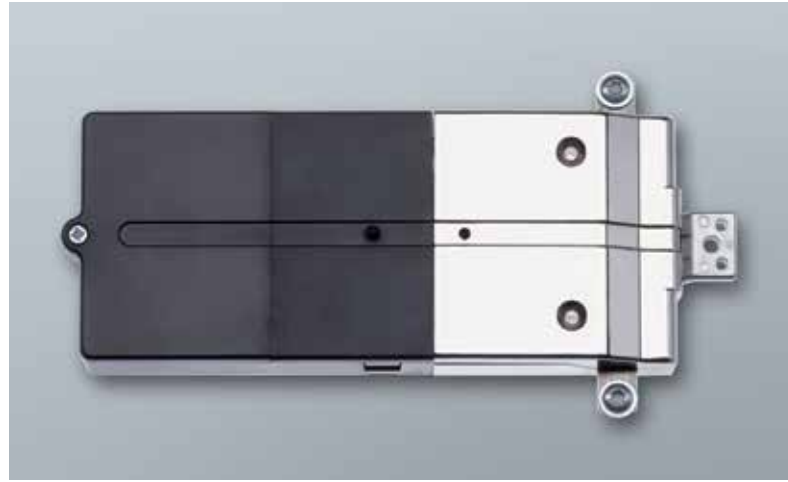
### DIGITAL FURNITURE LOCK M400

|  |                  |
|--|------------------|
| Furniture lock / locker lock M400, with catch, with ZK function, incl. mounting material | FL.M400.ZK.G2    |
| Furniture lock M400, as above, but with rigid bolt                                       | FL.M400.FB.ZK.G2 |

### ACCESSORIES

|   |                |
|---|----------------|
| Fitting accessories as replacement component for M400 Locker Lock, including visual display | FL.M400.SPARE  |
| External emergency power supply for M400 Locker Lock  | FL.M400.EXTPWR |
| Design thumb-turn with two mounting plates for 18 and 24 mm holes                           | FL.KNAUF1      |

# DIGITAL FURNITURE LOCKS M300



## // TECHNICAL SPECIFICATIONS:

- ⌘ Dimensions: (WxHxD) 157 x 64 x 20.5 mm
- ⌘ Bolt length: 28.5 mm (extended)
- ⌘ Standard protection rating IP 40
- ⌘ Battery type: 3 x AA Mignon cells 1.5 V (alkaline)
- ⌘ Battery life:  
Up to 2 years with an average of 10 activations per working day
- ⌘ Temperature range:  
Operational: +55°C to +40°C
- ⌘ Compressive force, front main bolt: Max. 10 N
- ⌘ Reading distance: up to 30 cm
- ⌘ Up to 3,000 access events can be stored
- ⌘ Time zone groups: 100
- ⌘ Up to 64,000 transponders can be administered per furniture lock
- ⌘ Incl. access control, time zone control and event logging
- ⌘ Network-ready with integrated LockNode



## // PRODUCT VERSIONS

### DIGITAL FURNITURE LOCK M300

|   |               |
|---|---------------|
| Espagnolette lock M300 with ZK function incl. mounting material | FL.M300.FK.G2 |
|---|---------------|

### ACCESSORIES

|   |                    |
|---|--------------------|
| Fitting rode= as replacement component for M300 espagnolette Lock, including visual display | FL.M300.SPARE      |
| External emergency power supply for M300 Espagnolette Lock                                  | FL.M300.EXTPWR     |
| Drive rods 110 cm; 10 units for use with M300 espagnolette Lock                             | FL.M300.BAR.110.10 |
| E-Box for M300 as replacement/ use with M500  | FL.M300.E-BOX      |

## DIGITAL PADLOCKS



### // TECHNICAL SPECIFICATIONS PADLOCK: WITH A SHACKLE DIAMETER OF 8 MM

- ⌘ Dimensions Lock without cylinder thumb-turn and without shackle  
51 x 70 x 25 mm (WxHxD)
- ⌘ Shackle internal height: 25 mm or 60 mm (manual locking or self-locking respectively)
- ⌘ Housing protection class: Class 3 as per EN 12320
- ⌘ Standard protection rating IP 66
- ⌘ Battery type: 2x CR2450 3V lithium,
- ⌘ Battery life:  
Up to 300,000 lock operations or 10 years on standby
- ⌘ Temperature range:  
Operational: -25°C to +55°C  
In storage (temporary): -45°C to +70°C  
In storage (long-term): 0°C to +30°C
- ⌘ Up to 3,000 access events can be stored
- ⌘ Time zone groups: 100
- ⌘ Up to 64,000 transponders can be administered per padlock
- ⌘ Up to 304,000 transponders per locking device can be managed
- ⌘ Network-ready with integrated LockNode
- ⌘ Freely configurable

### // TECHNICAL SPECIFICATIONS PADLOCK: WITH A SHACKLE DIAMETER OF 11 MM

- ⌘ Dimensions Lock without cylinder thumb-turn and without shackle  
60 x 72.5 x 25 mm (WxHxD)
- ⌘ Shackle internal height:  
35 mm (manually locking),  
50 mm (self locking)
- ⌘ Housing protection class: Class 4 as per EN 12320
- ⌘ Standard protection rating IP 66
- ⌘ Battery type: 2x CR2450 3V lithium,
- ⌘ Battery life:  
Up to 300,000 lock operations or 10 years on standby
- ⌘ Temperature range:  
Operational: -25°C to +55°C  
In storage (temporary): -45°C to +70°C  
In storage (long-term): 0°C to +30°C
- ⌘ Up to 3,000 access events can be stored
- ⌘ Time zone groups: 100
- ⌘ Up to 64,000 transponders can be administered per padlock
- ⌘ Up to 304,000 transponders per locking device can be managed
- ⌘ Network-ready with integrated LockNode
- ⌘ Freely configurable

DIGITAL  
PADLOCK



// PRODUCT VERSIONS

**DIGITAL PADLOCKS – SHACKLE DIAMETER OF 8 MM**

|   |                         |
|---|-------------------------|
| Inside shackle height: 25 mm                                | Z4.PL.08.25.ML.WP.G2    |
| Inside shackle height: 25 mm; with ZK function              | Z4.PL.08.25.ML.WP.ZK.G2 |
| Inside shackle height: 25 mm; self-locking                  | Z4.PL.08.25.SL.WP.G2    |
| Inside shackle height: 25 mm; self-locking with ZK function | Z4.PL.08.25.SL.WP.ZK.G2 |
| Inside shackle height: 60 mm                                | Z4.PL.08.605.ML.WP.G2   |
| Inside shackle height: 60 mm; with ZK function              | Z4.PL.08.60.ML.WP.ZK.G2 |
| Inside shackle height: 60 mm; self-locking                  | Z4.PL.08.60.SL.WP.G2    |
| Inside shackle height: 60 mm; self-locking with ZK function | Z4.PL.08.60.SL.WP.ZK.G2 |

**DIGITAL PADLOCKS – SHACKLE DIAMETER OF 11 MM**

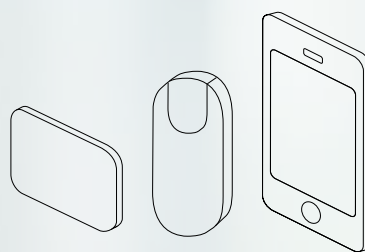
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|---|-------------------------|
| Inside shackle height: 35 mm                                | Z4.PL.11.35.ML.WP.G2    |
| Inside shackle height: 35 mm; with ZK function              | Z4.PL.11.35.ML.WP.ZK.G2 |
| Inside shackle height: 50 mm; self-locking                  | Z4.PL.11.50.SL.WP.G2    |
| Inside shackle height: 50 mm; self-locking with ZK function | Z4.PL.11.50.SL.WP.ZK.G2 |

**ACCESSORIES**

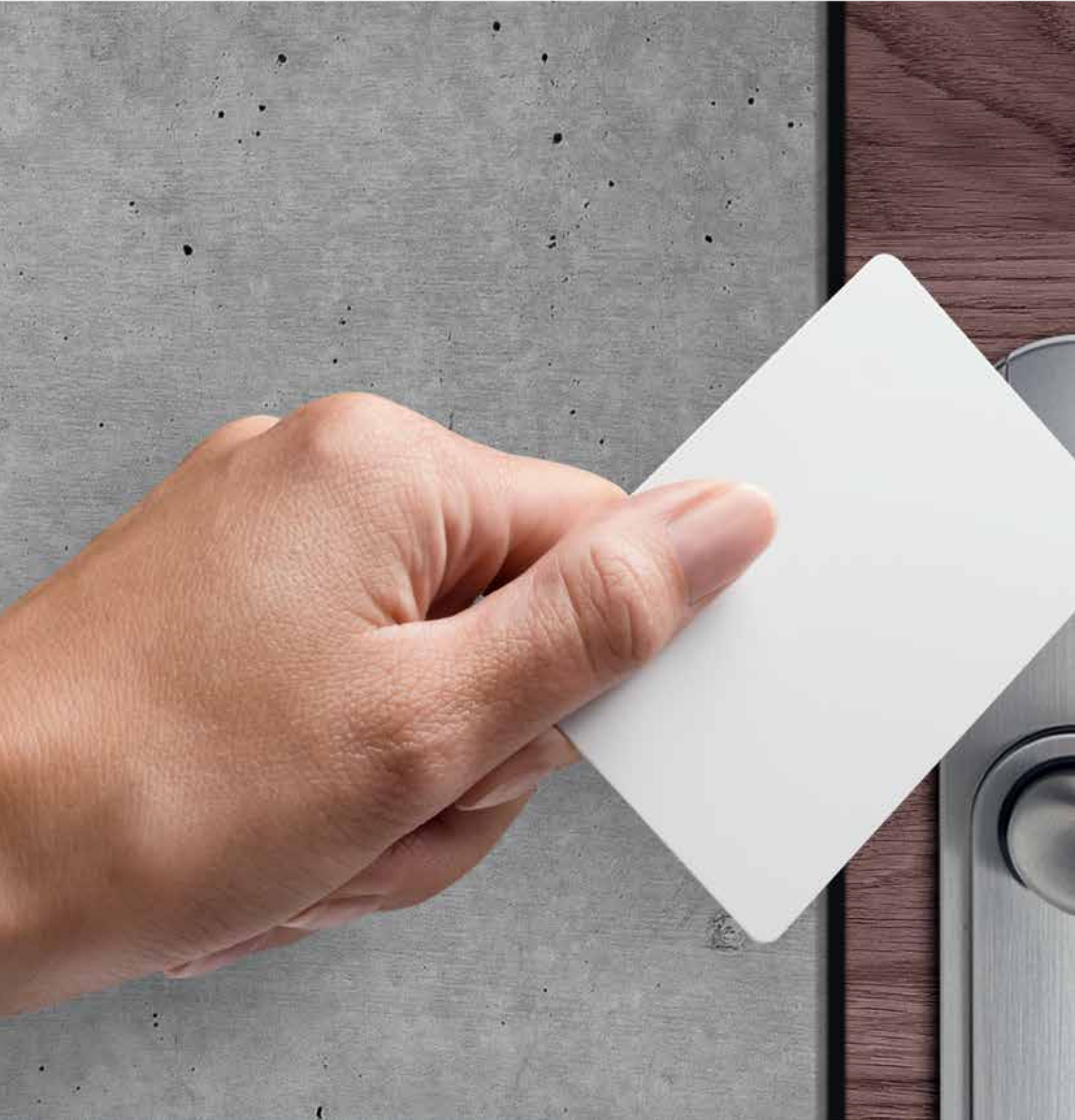
|   |                  |
|---|------------------|
| Securing chain for padlocks, 11 mm shackle diameter, length about 30 cm | PL.CHAIN.11.30   |
| Securing chain for padlocks, 8 mm shackle diameter, length about 30 cm  | PL.CHAIN.08.30   |
| Wall bracket for securing chain   | PL.CHAIN.BRACKET |

# PASSIVE SMART CARD-TECHNOLOGY



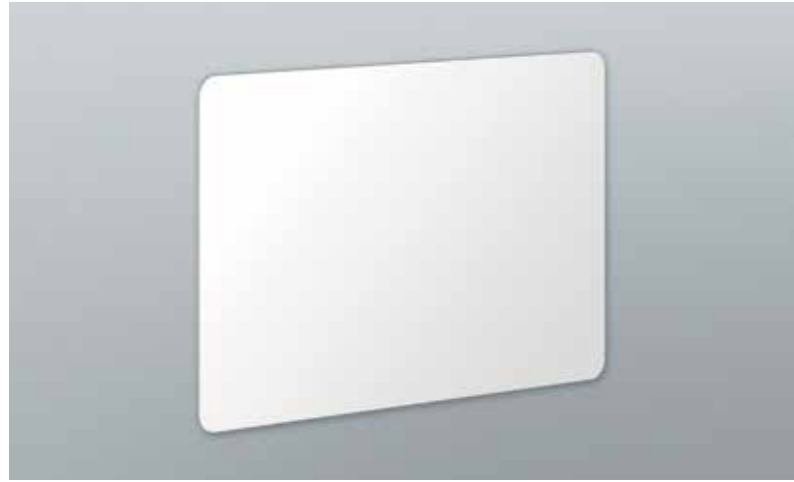


PASSIVE SMART CARD-TECHNOLOGY  
**IDENTIFICATION MEDIA**





# SMART CARDS SMART TAGS



SimonsVoss has introduced purely passive components in addition to its time-tested active technology and hybrid versions. These components can be addressed using SmartCards/ SmartTags (MIFARE® Classic and MIFARE® DESFire®). There is also the option of using existing cards in System 3060.



## // TECHNICAL SPECIFICATIONS

- :: ISO 7816 format
- :: Colour white (SmartCards unprinted, SmartTags with SimonsVoss logo)

## // PRODUCT VERSIONS

### SMART CARDS MIFARE® CLASSIC

|  |                  |
|--|------------------|
| MIFARE® Classic SmartCard, 1k memory, white; contains: 5 units   | TRA.MIFARE1K.5   |
| MIFARE® Classic SmartCard, 1k memory, white; contains: 100 units | TRA.MIFARE1K.100 |
| MIFARE® Classic SmartCard, 4k memory, white; contains: 5 units   | TRA.MIFARE4K.5   |
| MIFARE® Classic SmartCard, 4k memory, white; contains: 100 units | TRA.MIFARE4K.100 |

### SMART CARDS MIFARE® DESFIRE® EV1

|   |                   |
|---|-------------------|
| MIFARE® DESFire® EV1 SmartCard, 8k memory, white; contains: 5 units   | TRA.DESFIRE8K.5   |
| MIFARE® DESFire® EV1 SmartCard, 8k memory, white; contains: 100 units | TRA.DESFIRE8K.100 |

### SMART TAGS MIFARE® CLASSIC

|  |                      |
|--|----------------------|
| MIFARE® Classic SmartTag, 1k memory, black/white with SimonsVoss logo; contains: 5 units   | TRA.TAG.MIFARE1K.5   |
| MIFARE® Classic SmartTag, 1k memory, black/white with SimonsVoss logo; contains: 100 units | TRA.TAG.MIFARE1K.100 |
| MIFARE® Classic SmartTag, 4k memory, black/white with SimonsVoss logo; contains: 5 units   | TRA.TAG.MIFARE4K.5   |
| MIFARE® Classic SmartTag, 4k memory, black/white with SimonsVoss logo; contains: 100 units | TRA.TAG.MIFARE4K.100 |

### SMART TAGS MIFARE® DESFIRE® EV2

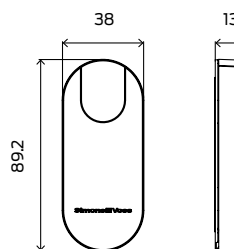
|   |                       |
|---|-----------------------|
| MIFARE® DESFire® EV2 SmartTag, 8k memory, black/white with SimonsVoss logo; contains: 5 units   | TRA.TAG.DESFIRE8K.5   |
| MIFARE® DESFire® EV2 SmartTag, 8k memory, black/white with SimonsVoss logo; contains: 100 units | TRA.TAG.DESFIRE8K.100 |

# COMPACT READER 3078



The Compact Reader allows any active System 3060 G2 locking component to be extended for use with wireless MIFARE® Classic and MIFARE® DESFire® SmartCards.

Thanks to its very compact and attractive design, it can be attached to any door with either adhesive pads or two screws.



Measurements indicated in mm

## // TECHNICAL SPECIFICATIONS

- ⌘ Silver or white ASA plastic housing
- ⌘ Dimensions: 89.22 x 38.06 x 12.90 mm (H x W x D)
- ⌘ Weight: about 45 g including battery
- ⌘ .WP protection rating version: IP65 (only when bonded)
- ⌘ Supports MIFARE® Classic and MIFARE® DESFire® Medien
- ⌘ Typical read range: up to 30 cm to the locking cylinder/SmartHandle; up to 60 cm to Smart Relay
- ⌘ Battery type: 2 x CR2450, 3 V, lithium
- ⌘ Battery life: up to 80,000 operations\* or up to six years on standby
- ⌘ Temperature range: -20 °C to +50 °C
- ⌘ Visual feedback signal from blue/red LED
- ⌘ Blue/red LED indicates battery warning levels 1 and 2, the locking devices are only addressed with delays of different lengths
- ⌘ LockNode for direct networking Compact Reader
- ⌘ 100 time zone groups
- ⌘ Up to 64,000 transponders can be managed per Compact Reader (depending on the locking system configuration)
- ⌘ Up to 32,000 locking devices can be managed per SmartCard (depending on available memory on the SmartCard and the locking system configuration)
- ⌘ The locking device can still be opened with an authorised transponder even when the CompactReader batteries are completely flat
- ⌘ Cable-free surface mount

\* If with access event logging on the SmartCard: up to 60,000 activations.

## // PRODUCT VERSIONS

|  |                 |
|--|-----------------|
| Compact Reader 3078 translator from passive reader technology to active radio technology. Operated with contactless SmartCards/SmartTags based on MIFARE® Classic, MIFARE Plus® and MIFARE® DESFire®; in silver housing, for indoors | TRA.CR.MIFARE   |
| Version in white housing   | TRA.CR.MIFARE.W |
| Version for outdoor areas (weatherproof design)  | .WP             |
| With integrated LockNode for direct networking, auto-configuration (cannot be retrofit)  | .WNM            |

PASSIVE SMART CARD-TECHNOLOGY

# DIGITAL LOCKING CYLINDER 3061 – SC

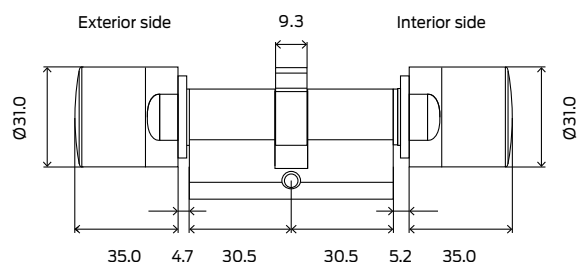


# DIGITAL EURO PROFILE DOUBLE THUMB-TURN CYLINDER 3061 – SC – COMFORT



Digital locking cylinder – SC with enclosed electronics assembly as per DIN 18252 / DIN EN 15684 / EN 1303

- ⌘ Inner side is permanently engaged
- ⌘ MIFARE® Classic, Plus® and DESFire®
- ⌘ Access control, time zone management and events logging
- ⌘ Versions with IP66 weather protection rating
- ⌘ Upgrade for direct networking



Measurements indicated in mm

The options are endless, whether you use direct or virtual networking, worldwide cable-free networking in SimonsVoss WaveNet or a combination with existing SimonsVoss systems.

All versions of the renowned MIFARE® Classic ID card and cards based on MIFARE Plus® or MIFARE® DESFire® technology can be read. The new cylinder is no bigger than a well-known digital locking cylinder and is powered in the same way using standard button cells.

## // TECHNICAL SPECIFICATIONS

- ⌘ Standard Euro Profile cylinder as per DIN 18252/ EN 1303/ DIN EN 15684
- ⌘ Thumb-turn diameter: 31 mm
- ⌘ Basic installation length: 30-30 mm (external/internal dimension)
- ⌘ Overall length: up to 140 mm (max. 90 mm on one side), special lengths on request
- ⌘ Standard protection rating Standard protection rating IP54; .WP version; IP 66
- ⌘ Battery type: 2 x lithium, CR2450, 3 V
- ⌘ Battery life: up to 65,000 locking operations\* or up to six years on standby
- ⌘ Temperature range: Operational –25 °C to +65 °C
- ⌘ Audible feedback signal from a buzzer
- ⌘ Visual feedback signal from blue/red LED
- ⌘ Buzzer and blue/red LED indicate battery warning levels 1 and 2; locking devices are only activated after delays of varying length
- ⌘ 3,000 access events can be logged
- ⌘ 100 time zone groups
- ⌘ Up to 64,000 SmartCards can be managed per locking device (depending on the locking system configuration)
- ⌘ Up to 32,000 locks can be managed per SmartCard (depending on available memory on the SmartCard and the locking system configuration)
- ⌘ Can be directly networked with integrated LockNode (network thumb-turn cover WNM.LN.I.MP)
- ⌘ Freely configurable

\*Up to 35,000 actuations with access logging on the SmartCard

DIGITAL EURO PROFILE  
DOUBLE THUMB-TURN CYLINDER  
3061 – SC – COMFORT



// PRODUCT VERSIONS

|  |                   |
|--|-------------------|
| Digital Euro Profile Double Thumb-Turn Cylinder 3061 – SC – Comfort with G2 functions<br>Length 30-30 mm, digital comfort cylinder, stainless steel design, internal power supply, thumb-turn on both sides, locking device from outside with SmartCards/SmartTags in MIFARE® Classic, MIFARE Plus® and MIFARE® DESFire® EV1 /EV2 technology, can be operated from inside without medium | Z4.30-30.MP.CO.G2 |
| Brass version  | .MS               |
| Version with access control, time zone control and event logging   | .ZK               |
| Weatherproof version, protection class IP 66 (electronic thumb-turn), for use in external doors and for doors exposed to heavy splash water  | .WP               |
| Multi-point design for use in doors with multipoint locks  | .MR               |
| Network thumb-turn cover Z4.KNAUF16 with network board, as retrofit for direct networking, with autoconfiguration  | WNM.LN.I.MP       |

INSTALLATION LENGTHS (all length specifications: external – internal)

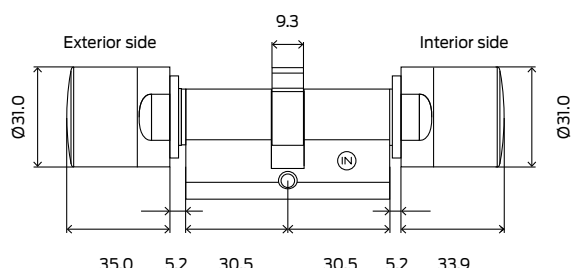
|   |                        |
|---|------------------------|
| Overall length from 65 mm to 80 mm                                    | e.g. Z4.40-40.MP.CO.G2 |
| Overall length from 85 mm to 100 mm (max. 90 mm on one side)          | e.g. Z4.40-60.MP.CO.G2 |
| Overall length over 100 mm up to max. 140 mm (max. 90 mm on one side) | e.g. Z4.65-75.MP.CO.G2 |
| Overall length over 140 mm or over 90 mm on one side                  | On request             |

# DIGITAL EURO PROFILE DOUBLE THUMB-TURN CYLINDER 3061 – SC – FD



Digital locking cylinder – SC with enclosed electronics assembly as per DIN 18252 / DIN EN 15684 / EN 1303

- ⌘ MIFARE® Classic, Plus® and DESFire®
- ⌘ Freely rotating on both sides – Reader internal and outside
- ⌘ Access control, time zone management and events logging
- ⌘ Versions with IP66 weather protection rating
- ⌘ Upgrade for direct networking



Measurements indicated in mm

The options are endless, whether you use direct or virtual networking, worldwide cable-free networking in SimonsVoss WaveNet or a combination with existing SimonsVoss systems.

All versions of the renowned MIFARE® Classic ID card and cards based on MIFARE Plus® or MIFARE® DESFire® EV1/EV2 technology can be read. The new cylinder is no bigger than a well-known digital locking cylinder and is powered in the same way using standard button cells.

## // TECHNICAL SPECIFICATIONS

- ⌘ Digital Euro Profile cylinder as per DIN 18252/ EN 1303 / DIN EN 15684, stainless steel design, freely rotating on both sides
- ⌘ Thumb-turn diameter: 31 mm
- ⌘ Basic installation length: 30-30 mm (external/internal dimension)
- ⌘ Overall length: up to 140 mm (max. 90 mm on one side), special lengths on request
- ⌘ Standard protection rating Standard protection rating IP54; .WP version; IP 66
- ⌘ Battery type: 4 x lithium, CR2450, 3 V
- ⌘ Battery life: up to 65,000 locking operations\* or up to six years on standby
- ⌘ Temperature range: Operational –25 °C to +65 °C
- ⌘ Audible feedback signal from a buzzer
- ⌘ Visual feedback signal from blue/red LED
- ⌘ Buzzer and blue/red LED indicate battery warning levels 1 and 2; locking devices are only activated after delays of varying length
- ⌘ 3,000 access events can be logged
- ⌘ 100 time zone groups
- ⌘ Up to 64,000 SmartCards can be managed per locking device (depending on the locking system configuration)
- ⌘ Up to 32,000 locks can be managed per SmartCard (depending on available memory on the SmartCard and the locking system configuration)
- ⌘ Can be directly networked with integrated LockNode (network thumb-turn cover WNM.LN.I.MP),
- ⌘ Freely configurable

\*Up to 35,000 actuations with access logging on the SmartCard

DIGITAL EURO PROFILE  
DOUBLE THUMB-TURN CYLINDER  
3061 – SC – FD



// PRODUCT VERSIONS

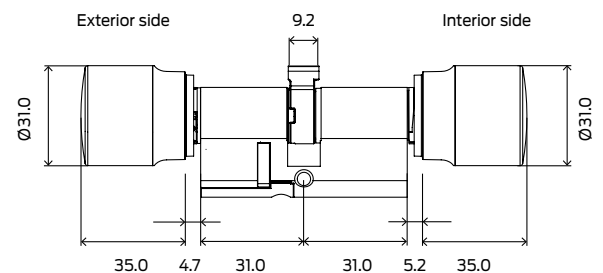
|   |                        |
|---|------------------------|
| Digital Euro Profile Double Thumb-Turn Cylinder 3061 – SC – FD with G2 functions<br>Installation length 30-30 mm, stainless steel design, freely rotating on both sides,; power internally;<br>locking device operated on internal and outside with SmartCards/SmartTags featuring MIFARE® Classic,<br>MIFARE Plus® and MIFARE® DESFire® EV1 /EV2 technology, no cabling required | Z4.30-30.MP.FD.G2      |
| Brass version   | .MS                    |
| Version with access control, time zone control and event logging  | .ZK                    |
| Multi-point lock version for use in doors with multi-point locks  | .MR                    |
| Weatherproof version, protection class IP 66, for use in external doors and doors exposed to strong<br>splash water, from 30-35 mm overall length, only the thumb-turn is sealed in combination with MR   | .WP                    |
| Version with VdS approval, Class AZ, SKG approval SKG 3 stars ; (not with ZK)   | .SKG                   |
| Version in VdS version, with access control, time zone control and logging, VdS approval class BZ, SKG<br>approval SKG - 3 stars  | .ZK.VDS                |
| Network thumb-turn cover Z4.KNAUF16 with network board, as retrofit for direct networking,<br>with autoconfiguration  | WNM.LN.I.MP            |
| <b>INSTALLATION LENGTHS (all length specifications: external – internal)</b>  |                        |
| Overall length from 65 mm to 80 mm  | e.g. Z4.40-40.MP.FD.G2 |
| Overall length from 85 mm to 100 mm (max. 90 mm on one side)  | e.g. Z4.40-60.MP.FD.G2 |
| Overall length over 100 mm up to max. 140 mm (max. 90 mm on one side)   | e.g. Z4.65-75.MP.FD.G2 |
| Overall length over 140 mm or over 90 mm on one side  | On request             |

# DIGITAL EURO PROFILE DOUBLE THUMB-TURN CYLINDER 3061 – SC – ANTI-PANIC



Digital locking cylinder - SC with encapsulated electronic module according to DIN 18252 / DIN EN 15684 / EN 1303 for installation in escape doors according to EN 179 and EN 1125.

- ⌘ Strong spring-back mechanism
- ⌘ MIFARE® Classic, Plus® and DESFire®
- ⌘ Option with free rotation and reader on both sides – Reader unit internal and outside
- ⌘ Access control, time zone management and events logging
- ⌘ Versions with IP66 weather protection rating
- ⌘ Upgrade for direct networking



Measurements indicated in mm

The options are endless, whether you use direct or virtual networking, worldwide cable-free networking in SimonsVoss WaveNet or a combination with existing SimonsVoss systems.

All versions of the renowned MIFARE® Classic ID card and cards based on MIFARE Plus® or MIFARE® DESFire® EV1/EV2 technology can be read. The cylinder is no bigger than a well-known digital locking cylinder and is powered in the same way using standard button cells.

## // TECHNICAL SPECIFICATIONS

- ⌘ Digital Euro Profile cylinder in accordance with DIN 18252/EN1303 DIN EN 15684
- ⌘ Thumb-turn diameter: 31 mm
- ⌘ Basic installation length: 30-30 mm (external/internal dimension)
- ⌘ Overall length: up to 140 mm (max. 90 mm on one side), special lengths on request
- ⌘ Standard protection rating Standard protection rating IP54; .WP version; IP66 (thumb-turns)
- ⌘ Battery type: 2 x lithium, CR2450, 3 V
- ⌘ Battery life: up to 65,000 locking operations\* or up to six years on standby
- ⌘ Temperature range: Operational -25 °C to +65 °C
- ⌘ Audible feedback signal from a buzzer
- ⌘ Visual feedback signal from blue/red LED
- ⌘ Buzzer and blue/red LED indicate battery warning levels 1 and 2; locking devices are only activated after delays of varying length
- ⌘ 3,000 access events can be logged
- ⌘ 100 time zone groups
- ⌘ Up to 64,000 SmartCards can be managed per locking device (depending on the locking system configuration)
- ⌘ Up to 32,000 locks can be managed per SmartCard (depending on available memory on the SmartCard and the locking system configuration)
- ⌘ Can be directly networked with integrated LockNode (network thumb-turn cover WNM.LN.I.MP),
- ⌘ Freely configurable

\*Up to 35,000 actuations with access logging on the SmartCard



DIGITAL EURO PROFILE  
DOUBLE THUMB-TURN CYLINDER  
3061 – SC – ANTI-PANIC



// PRODUCT VERSIONS

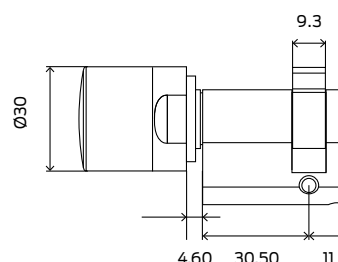
|   |                         |
|---|-------------------------|
| Digital Euro Profile Double Thumb-Turn Cylinder 3061 – SC – Anti-Panic with G2 functions<br>Installation length 30-30 mm, for use in anti-panic locks, free rotating on both sides, stainless steel design, internal power supply, thumb-turn on both sides, external locking with SmartCards/SmartTags in MIFARE® Classic, MIFARE Plus® and MIFARE® DESFire® EV1 / EV2 technology                                      | Z4.30-30.MP.AP2.FD.G2   |
| Digital Euro Profile Double Thumb-Turn Cylinder 3061 – SC – Anti-Panic with G2 functions<br>Installation length 30-30 mm, for use in anti-panic locks, free rotating on both sides, stainless steel design, internal power supply, thumb-turn on both sides, reading on both sides, locking from inside and outside with SmartCards/SmartTags in MIFARE® Classic, MIFARE Plus® and MIFARE® DESFire® EV1 /EV2 technology | Z4.30-30.MP.AP2.BL.G2   |
| Brass version   | .MS                     |
| Version with access control, time zone control and event logging  | .ZK                     |
| Weatherproof version, protection class IP 66 (electronic thumb-turn), for use in external doors and for doors exposed to heavy splash water, installation length from 30-35 mm  | .WP                     |
| Version with VdS approval, Class AZ, SKG approval SKG 3 stars, from installation length 30-30 mm  | .SKG                    |
| Version in VdS version, with access control, time zone control and logging, VdS approval class BZ, SKG approval SKG - 3 stars, installation length from 35-30 mm.   | .ZK.VDS                 |
| Version without inside thumb-turn, not supplied in combination with SKG and ZK.VDS; for AP2 cylinders; inside length is always 30 mm  | .OK                     |
| Network thumb-turn cover Z4.KNAUF16 with network board, as retrofit for direct networking, with autoconfiguration   | WNM.LN.I.MP             |
| <b>INSTALLATION LENGTHS (all length specifications: external – internal)</b>  |                         |
| Overall length from 65 mm to 80 mm  | e.g. Z4.40-40.MP.AP2.G2 |
| Overall length from 85 mm to 100 mm (max. 90 mm on one side)  | e.g. Z4.40-60.MP.AP2.G2 |
| Overall length over 100 mm up to max. 140 mm (max. 90 mm on one side)   | e.g. Z4.65-75.MP.AP2.G2 |
| Overall length over 140 mm or over 90 mm on one side  | On request              |

# DIGITAL EURO PROFILE HALF CYLINDER 3061 – SC



Digital half cylinder – SC with enclosed electronics assembly as per DIN 18252 / DIN EN 15684 / EN 1303

- ⌘ MIFARE® Classic, Plus® and DESFire®
- ⌘ Access control, time zone management and events logging
- ⌘ Versions with IP66 weather protection rating
- ⌘ Upgrade for direct networking



Measurements indicated in mm

The options are endless, whether you use direct or virtual networking, worldwide cable-free networking in SimonsVoss WaveNet or a combination with existing SimonsVoss systems.

All versions of the renowned MIFARE® Classic ID card and cards based on MIFARE Plus® or MIFARE® DESFire® EV1/EV2 technology can be read. The new cylinder is no bigger than a well-known digital locking cylinder and is powered in the same way using standard button cells.

## // TECHNICAL SPECIFICATIONS

- ⌘ Digital Euro Profile half cylinder in accordance with DIN 18252/ EN1303
- ⌘ DIN EN 15684, stainless steel design, freely rotating on both sides
- ⌘ Thumb-turn diameter: 31 mm
- ⌘ Basic installation length: 30-10 mm (external/internal dimension)
- ⌘ Overall length: up to max. 90 mm on one side, special lengths on request
- ⌘ Standard protection rating Standard protection rating IP54; .WP version; IP66 (electronic thumb-turn)
- ⌘ Battery type: 4 x lithium, CR2450, 3 V
- ⌘ Battery life: up to 65,000 locking operations\* or up to six years on standby
- ⌘ Temperature range: Operational –25 °C to +65 °C
- ⌘ Audible feedback signal from a buzzer
- ⌘ Visual feedback signal from blue/red LED
- ⌘ Buzzer and blue/red LED indicate battery warning levels 1 and 2; locking devices are only activated after delays of varying length
- ⌘ 3,000 access events can be logged
- ⌘ 100 time zone groups
- ⌘ Up to 64,000 SmartCards can be managed per locking device (depending on the locking system configuration)
- ⌘ Up to 32,000 locks can be managed per SmartCard (depending on available memory on the SmartCard and the locking system configuration)
- ⌘ Can be directly networked with integrated LockNode (network thumb-turn cover WNM.LN.I.MP),
- ⌘ Freely configurable

\*Up to 35,000 actuations with access logging on the SmartCard

DIGITAL EURO PROFILE  
HALF CYLINDER  
3061 – SC



// PRODUCT VERSIONS

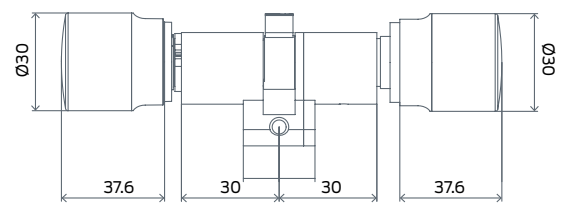
|   |                        |
|---|------------------------|
| Digital Euro Profile Half Cylinder 3061 – SC with G2 functions<br>Installation length 30-10 mm; thumb-turn not detachable, stainless steel design, internal power supply; External locking device with SmartCards/SmartTags in MIFARE® Classic, MIFARE Plus® and MIFARE® DESFire® EV1 /EV2 technology | Z4.30-10.MP.HZ.G2      |
| Brass version   | .MS                    |
| Version with access control, time zone control and event logging  | .ZK                    |
| Multi-point lock version for use in doors with multi-point locks, detachable thumb-turn   | .MR                    |
| Weatherproof version, protection class IP 66 (electronic thumb-turn ),<br>for use in external doors and for doors exposed to heavy splash water.  | .WP                    |
| Version with detachable thumb-turn  | .DK                    |
| Self-locking version, not in combination with MR, MS, DK and WP   | .SL                    |
| Network thumb-turn cover Z4.KNAUF16 with network board, as retrofit for direct networking,<br>with autoconfiguration  | WNM.LN.I.MP            |
| <b>INSTALLATION LENGTHS (all length specifications: external – internal)</b>  |                        |
| Overall length from 45 mm to 70 mm  | e.g. Z4.60-10.MP.HZ.G2 |
| Overall length from 75 mm to 100 mm (max. 90 mm on one side)  | e.g. Z4.80-10.MP.HZ.G2 |
| Overall length over 90 mm   | On request             |

# DIGITAL SWISS ROUND DOUBLE THUMB-TURN CYLINDER 3061 – SC – COMFORT



Digital Locking Cylinder – SC with an enclosed electronics assembly as per DIN EN 15684 / EN 1303 with a Swiss round profile.

- ⌘ MIFARE® Classic, Plus® and DESFire®
- ⌘ Access control, time zone management and events logging
- ⌘ Versions with IP66 weather protection rating
- ⌘ Upgrade for direct networking



Measurements indicated in mm

The options are endless, whether you use direct or virtual networking, worldwide cable-free networking in SimonsVoss WaveNet or a combination with existing SimonsVoss systems.

All versions of the renowned MIFARE® Classic ID card and cards based on MIFARE Plus® or MIFARE® DESFire® EV1/EV2 technology can be read. The new cylinder is no bigger than a well-known digital locking cylinder and is powered in the same way using standard button cells.

## // TECHNICAL SPECIFICATIONS

- ⌘ Digital Swiss Round Double Thumb-Turn Cylinder – SI
- ⌘ Thumb-turn diameter: 31 mm
- ⌘ Basic installation length: 30-30 mm (external/internal dimension)
- ⌘ Overall length: up to 100 mm (max. 90 mm on one side), special lengths on request
- ⌘ Standard protection rating Standard protection rating IP54; .WP version; IP 66
- ⌘ Battery type: 2 x lithium, CR2450, 3 V
- ⌘ Battery life: up to 65,000 locking operations\* or up to six years on standby
- ⌘ Temperature range: Operational –25 °C to +65 °C
- ⌘ Audible feedback signal from a buzzer
- ⌘ Visual feedback signal from blue/red LED
- ⌘ Buzzer and blue/red LED indicate battery warning levels 1 and 2; locking devices are only activated after delays of varying length
- ⌘ 3,000 access events can be logged
- ⌘ 100 time zone groups
- ⌘ Up to 64,000 SmartCards can be managed per locking device (depending on the locking system configuration)
- ⌘ Up to 32,000 locks can be managed per SmartCard (depending on available memory on the SmartCard and the locking system configuration)
- ⌘ Can be directly networked with integrated LockNode (network thumb-turn cover WNM.LN.I.MP),
- ⌘ Freely configurable

\*Up to 35,000 actuations with access logging on the SmartCard

DIGITAL SWISS ROUND  
DOUBLE THUMB-TURN CYLINDER  
3061 – SC – COMFORT



// PRODUCT VERSIONS

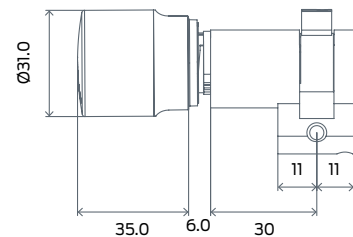
|   |                        |
|---|------------------------|
| Digital Swiss Round Double Thumb-Turn Cylinder 3061 – SC – Comfort with G2 functions<br>Length 30-30 mm, digital comfort cylinder, stainless steel design, internal power supply, thumb-turn on both sides, locking device from outside with SmartCards/SmartTags in MIFARE® Classic, MIFARE Plus® and MIFARE® DESFire® EV1 /EV2 technology, can be operated from inside without medium | Z4.SR.30-13.MP.G2      |
| Brass version   | .MS                    |
| Version with access control, time zone control and event logging  | .ZK                    |
| Weatherproof version, protection class IP 66 (electronic thumb-turn ), for use in external doors and for doors exposed to heavy splash water.   | .WP                    |
| Network thumb-turn cover Z4.KNAUF16 with network board, as retrofit for direct networking, with autoconfiguration   | WNM.LN.I.MP            |
| <b>INSTALLATION LENGTHS (all length specifications: external – internal)</b>  |                        |
| Overall length from 65 mm to 80 mm  | e.g. Z4.SR.60-30.MP.G2 |
| Overall length from 85 mm to 100 mm (max. 90 mm on one side)  | e.g. Z4.SR.80-30.MP.G2 |
| Overall length over 100 mm up to max. 140 mm (max. 90 mm on one side)   | e.g. Z4.SR.50-55.MP.G2 |
| Overall length over 140 mm or over 90 mm on one side  | On request             |

# DIGITAL SWISS ROUND HALF CYLINDER 3061 – SC



Digital Half Cylinder - SC with an enclosed electronics assembly as per DIN EN 15684 / EN 1303 for fitting into Swiss Round profile for special applications, such as use on garage doors or in lockers:

- ⌘ MIFARE® Classic, Plus® and DESFire®
- ⌘ Access control, time zone management and events logging
- ⌘ Versions with IP66 weather protection rating
- ⌘ Upgrade for direct networking



Measurements indicated in mm

The options are endless, whether you use direct or virtual networking, worldwide cable-free networking in SimonsVoss WaveNet or a combination with existing SimonsVoss systems.

All versions of the renowned MIFARE® Classic ID card and cards based on MIFARE Plus® or MIFARE® DESFire® EV1/EV2 technology can be read. The new cylinder is no bigger than a well-known digital locking cylinder and is powered in the same way using standard button cells.

## // TECHNICAL SPECIFICATIONS

- ⌘ Digital Swiss Round Half Cylinder – SC
- ⌘ Thumb-turn diameter: 31 mm
- ⌘ Basic installation length: 30-10 mm (external/internal dimension)
- ⌘ Overall length: up to 100 mm (max. 90 mm on one side), special lengths on request
- ⌘ Standard protection rating Standard protection rating IP54; .WP version; IP 66
- ⌘ Battery type: 2 x lithium, CR2450, 3 V
- ⌘ Battery life: up to 65,000 locking operations\* or up to six years on standby
- ⌘ Temperature range: Operational –25 °C to +65 °C
- ⌘ Audible feedback signal from a buzzer
- ⌘ Visual feedback signal from blue/red LED
- ⌘ Buzzer and blue/red LED indicate battery warning levels 1 and 2; locking devices are only activated after delays of varying length
- ⌘ 3,000 access events can be logged
- ⌘ 100 time zone groups
- ⌘ Up to 64,000 SmartCards can be managed per locking device (depending on the locking system configuration)
- ⌘ Up to 32,000 locks can be managed per SmartCard (depending on available memory on the SmartCard and the locking system configuration)
- ⌘ Can be directly networked with integrated LockNode (network thumb-turn cover WNM.LN.I.MP),
- ⌘ Freely configurable

\*Up to 35,000 actuations with access logging on the SmartCard

DIGITAL SWISS ROUND  
HALF CYLINDER  
3061 – SC



// PRODUCT VERSIONS

|  |                      |
|--|----------------------|
| Digital Swiss Round Half Cylinder 3061 – SC with G2 functions<br>Installation length 30-10 mm; thumb-turn not detachable, stainless steel design, internal power supply; External locking device with SmartCards/SmartTags in MIFARE® Classic, MIFARE Plus® and MIFARE® DESFire® EV1 /EV2 technology | Z4.SR.30-10.MP.HZ.G2 |
| Brass version  | .MS                  |
| Version with access control, time zone control and event logging   | .ZK                  |
| Multi-point lock version for use in doors with multi-point locks   | .MR                  |
| Weatherproof version, protection class IP 66 (electronic thumb-turn ), for use in external doors and for doors exposed to heavy splash water.  | .WP                  |
| Network thumb-turn cover Z4.KNAUF16 with network board, as retrofit for direct networking, with autoconfiguration  | WNM.LN.I.MP          |

INSTALLATION LENGTHS (all length specifications: external – internal)

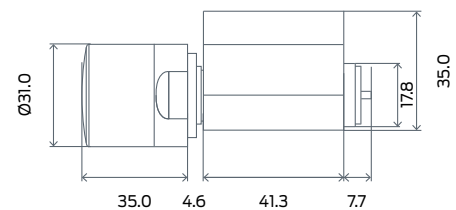
|  |                           |
|--|---------------------------|
| Overall length from 45 mm to 70 mm                           | e.g. Z4.SR.60-10.MP.HZ.G2 |
| Overall length from 75 mm to 100 mm (max. 90 mm on one side) | e.g. Z4.SR.80-10.MP.HZ.G2 |
| Overall length over 90 mm on outside                         | On request                |

## DIGITAL LOCKING CYLINDER 3061 – SCANDINAVIAN OVAL



Digital Locking Cylinder – SC with an enclosed electronics assembly as per DIN EN 15684 / EN 1303 for fitting into doors with a Scandinavian oval profile.

- :: MIFARE® Classic, Plus® and DESFire®
- :: Access control, time zone management and events logging
- :: Versions with IP66 weather protection rating
- :: Upgrade for direct networking



Measurements indicated in mm

The options are endless, whether you use direct or virtual networking, worldwide cable-free networking in SimonsVoss WaveNet or a combination with existing SimonsVoss systems.

All versions of the renowned MIFARE® Classic ID card and cards based on MIFARE Plus® or MIFARE® DESFire® EV1/EV2 technology can be read. The new cylinder is no bigger than a well-known digital locking cylinder and is powered in the same way using standard button cells.

### // TECHNICAL SPECIFICATIONS

- :: Scandinavian Oval Profile Cylinder
- :: Thumb-turn diameter: 31 mm
- :: Basic installation length: in the version for the outer side: 41.3 mm, in the version for the inner side: 31,9 mm
- :: Overall length: max. 86.3 mm; special lengths on request
- :: Standard protection rating inner thumb-turn: IP54; weatherproof version of cylinder for the outer side: IP66
- :: Battery type: 2 x lithium, CR2450, 3V
- :: Battery life: up to 65,000 locking operations\* or up to six years on standby
- :: Temperature range: Operational –25 °C to +65 °C
- :: Audible feedback signal from a buzzer
- :: Visual feedback signal from blue/red LED
- :: Buzzer and blue/red LED indicate battery warning levels 1 and 2; locking devices are only activated after delays of varying length
- :: 3,000 access events can be logged
- :: 100 time zone groups
- :: Up to 64,000 SmartCards can be managed per locking device (depending on the locking system configuration)
- :: Up to 32,000 locks can be managed per SmartCard (depending on available memory on the SmartCard and the locking system configuration)
- :: Can be directly networked with integrated LockNode (network thumb-turn cover WNM.LN.I.MP),
- :: Freely configurable

\* Up to 35,000 actuations with access logging on the SmartCard



DIGITAL LOCKING CYLINDERS  
3061  
SCANDINAVIAN ROUND

// PRODUCT VERSIONS

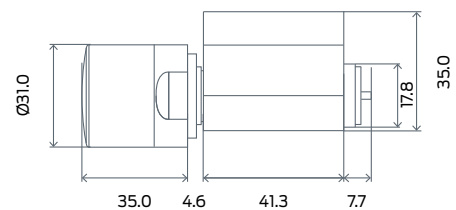
|   |                      |
|---|----------------------|
| Digital Scandinavian Oval Cylinder 3061 – SC with G2 functions<br>Installation length 41.3 mm, stainless steel design, internal power supply; can be operated from outside with SmartCards/SmartTags featuring MIFARE®Classic, MIFARE Plus® and MIFARE® DESFire® technology; no cabling necessary | Z4.SO.A40.MP.G2      |
| Digital Scandinavian Oval Cylinder 3061, operable without SmartCards<br>For the inner side: installation length 31.9 mm, stainless steel design   | Z4.RS.I30            |
| Brass version   | .MS                  |
| Version with access control, time zone control and event logging  | .ZK                  |
| Version with IP 66 weather protection rating (electronic thumb turn only). For use in exterior doors and doors which are exposed to heavy splashing water.  | .WP                  |
| <b>INSTALLATION LENGTHS (all length specifications: external – internal)</b>  |                      |
| Installation length from 43.3 mm to 61.3 mm per profile   | e.g. Z4.SO.A60.MP.G2 |
| Installation length from 66.3 mm to 86.3 mm per profile   | e.g. Z4.SO.A80.MP.G2 |
| Installation length over 86.3 mm per profile  | On request           |
| <b>ACCESSORIES</b>  |                      |
| Extension Set SO and RS Cylinder. The set allows an extension of the cam of the Scandinavian cylinder by up to 75 mm contains: 5 sets.  | Z4.RS.EXT            |
| <b>DIRECT NETWORKING</b>  |                      |
| Network Thumb-Turn Cover for direct networking; stainless steel design; version for auto-configuration; also suitable for retrofit  | WNM.LN.I.MP          |
| Brass version   | .MS                  |
| Network thumb-turn cover for direct networking in the design of Z4.KNAUF7 (stainless steel, diameter 35 mm, for difficult-to-open doors), version for autoconfiguration, also suitable for retrofitting   | WNM.LN.I.KNAUF7      |
| Network Thumb-Turn Cover for direct networking in Z4.KNAUF12 design (stainless steel; high-gloss, polished V4A); auto-configuration version; also suitable for retrofit   | WNM.LN.I.KNAUF12     |

## DIGITAL LOCKING CYLINDER 3061 – SCANDINAVIAN ROUND



Digital Locking Cylinder – SC with an enclosed electronics assembly as per DIN EN 15684 / EN 1303 for fitting into doors with a Scandinavian Round profile.

- ⌘ MIFARE® Classic, Plus® and DESFire®
- ⌘ Access control, time zone management and events logging
- ⌘ Versions with IP66 weather protection rating
- ⌘ Upgrade for direct networking



Measurements indicated in mm

The options are endless, whether you use direct or virtual networking, worldwide cable-free networking in SimonsVoss WaveNet or a combination with existing SimonsVoss systems.

All versions of the renowned MIFARE® Classic ID card and cards based on MIFARE Plus® or MIFARE® DESFire® EV1/EV2 technology can be read. The new cylinder is no bigger than a well-known digital locking cylinder and is powered in the same way using standard button cells.

### // TECHNICAL SPECIFICATIONS

- ⌘ Scandinavian Round Profile Cylinder
- ⌘ Thumb-turn diameter: 31 mm
- ⌘ Basic installation length: in the version for the outer side: 41.3 mm, in the version for the inner side: 31,9 mm
- ⌘ Overall length: max. 86.3 mm; special lengths on request
- ⌘ Standard protection rating inner thumb-turn: IP54; weatherproof version of cylinder for the outer side: IP66
- ⌘ Battery type: 2 x lithium, CR2450, 3V
- ⌘ Battery life: up to 65,000 locking operations\* or up to six years on standby
- ⌘ Temperature range: Operational –25 °C to +65 °C
- ⌘ Audible feedback signal from a buzzer
- ⌘ Visual feedback signal from blue/red LED
- ⌘ Buzzer and blue/red LED indicate battery warning levels 1 and 2; locking devices are only activated after delays of varying length
- ⌘ 3,000 access events can be logged
- ⌘ 100 time zone groups
- ⌘ Up to 64,000 SmartCards can be managed per locking device (depending on the locking system configuration)
- ⌘ Up to 32,000 locks can be managed per SmartCard (depending on available memory on the SmartCard and the locking system configuration)
- ⌘ Can be directly networked with integrated LockNode (network thumb-turn cover WNM.LN.I.MP),
- ⌘ Freely configurable

\* Up to 35,000 actuations with access logging on the SmartCard

DIGITAL LOCKING CYLINDERS  
3061 –  
SCANDINAVIAN ROUND

// PRODUCT VERSIONS

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Digital Scandinavian Round Cylinder 3061 – SC with G2 functions

Installation length 41.3 mm, stainless steel design, internal power supply; can be operated from outside with SmartCards/SmartTags featuring MIFARE®Classic, MIFARE Plus® and MIFARE® DESFire® technology; no cabling necessary

Z4.RS.A40.MP.G2

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Digital Scandinavian Round Cylinder 3061, operable without SmartCards

For the inner side: installation length 31.9 mm, stainless steel design

Z4.RS.I30

---

Brass version

.MS

---

Version with access control, time zone control and event logging

.ZK

---

Version with IP 66 weather protection rating (electronic thumb turn only).

For use in exterior doors and doors which are exposed to heavy splashing water.

.WP

---

**INSTALLATION LENGTHS (all length specifications: external – internal)**

---

Installation length from 43.3 mm to 61.3 mm per profile

e.g. Z4.RS.A60.MP.G2

---

Installation length from 66.3 mm to 86.3 mm per profile

e.g. Z4.RS.A80.MP.G2

---

Installation length over 86.3 mm per profile

On request

---

**ACCESSORIES**

---

Extension Set SO and RS Cylinder. The set allows an extension of the cam of the Scandinavian cylinder by up to 75 mm. contains: 5 sets.

Z4.RS.EXT

---

**DIRECT NETWORKING**

---

Network Thumb-Turn Cover for direct networking; stainless steel design; version for auto-configuration; also suitable for retrofit

WNM.LN.I.MP

---

Brass version

.MS

---

Network thumb-turn cover for direct networking in the design of Z4.KNAUF7 (stainless steel, diameter 35 mm, for difficult-to-open doors), version for autoconfiguration, also suitable for retrofitting

WNM.LN.I.KNAUF7

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Network Thumb-Turn Cover for direct networking in Z4.KNAUF12 design (stainless steel; high-gloss, polished V4A); auto-configuration version; also suitable for retrofit

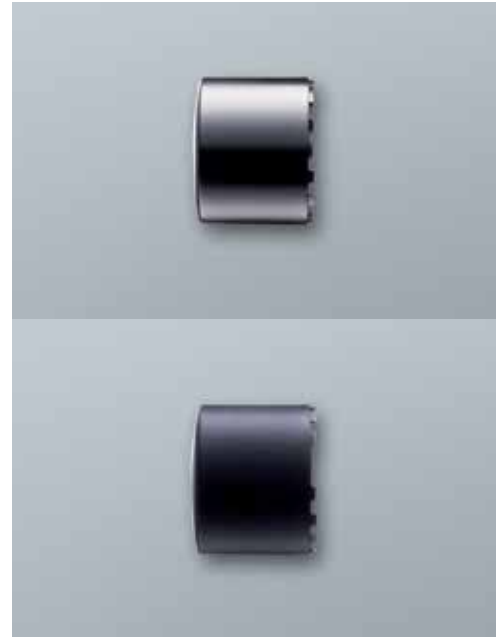
WNM.LN.I.KNAUF12

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# DIGITAL LOCKING CYLINDER 3061 – SC THUMB-TURNS & ACCESSORIES

Thumb-turn (Z4.KNAUF16)

Black composite thumb-turn  
(Z4.KNAUF17)



## // PRODUCT VERSIONS

### PLASTIC THUMB-TURN COVERS FOR THE PRIMARY SIDE OF THE CYLINDER

|   |            |
|---|------------|
| Standard - SC thumb-turn in stainless steel look, diameter 31 mm          | Z4.KNAUF16 |
| Like Z4.KNAUF16, with integrated antenna for direct networking            | Z4.KNAUF19 |
| Thumb-turn cover made of black plastic for brass cylinder, diameter 31 mm | Z4.KNAUF17 |
| Like Z4.KNAUF17, with integrated antenna for direct networking            | Z4.KNAUF20 |

### PLASTIC THUMB-TURN COVERS FOR THE SECONDARY SIDE OF THE CYLINDER

|   |            |
|---|------------|
| Plastic thumb-turn cover in stainless steel look for comfort cylinder, diameter 31 mm | Z4.KNAUF18 |
|---|------------|

### ACCESSORIES

|  |               |
|--|---------------|
| 20 plastic discs for multi-point half cylinder   | Z4.SCHEIBEN   |
| Installation/battery key: special tool for disassembly and for replacing batteries (button cells) in TN4 cylinders | Z4.SCHLUESSEL |
| 10 batteries for SmartHandles and TN4 cylinders (double thumb-turn and half cylinders) (type: CR2450)              | Z4.BAT.SET    |
| 2 core protection adapters for freely rotating SC cylinders, 8 mm extension  | Z4.MP.KA.SET  |
| 2 core protection adapters for SC cylinders VdS/SKG, 8 mm extension  | Z4.MP.KA.SET2 |



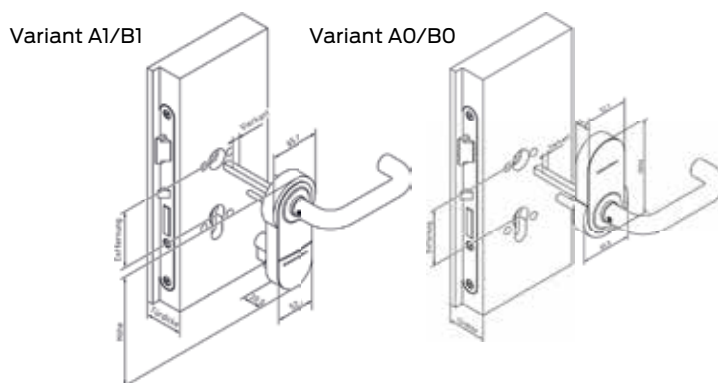
SMARTCARD TECHNOLOGY

# DIGITAL SMART HANDLES AX



## DIGITAL SMART HANDLE AX – SC

Is it possible to make something good even better? Yes, it is! Our new generation of SmartHandles is unfailingly based on our users' needs and sets new standards in the process. SimonsVoss introduces a new level of intelligence, security and convenience to doors with SmartHandle AX thanks to a modular structure, a wealth of variants and innovative functions such as BLE and Phone2Door (from 2019).



Measurements indicated in mm

### // ADVANTAGES

- :: Battery life: up to 300,000 lock operations or up to 10 years on standby (active). up to 200,000 lock operations or up to 10 years on standby (passive).
- :: Room for beauty: with its characteristic, adaptive design, the AX fitting can be combined with standard handles by renowned manufacturers.
- :: Provide a flexible response to any situation on site: SmartHandle AX can be adapted to the spindle, door thickness and centres distance. The handle itself can be mounted on the left or right.
- :: Made in Germany. A given for us. The SmartHandle AX has been proven to function continuously for 1 million cycles. (DIN EN 1906)
- :: You can add online or extra functions such as DoorMonitoring at a later stage. Future-proof investment forms part of the SimonsVoss promise.
- :: Operational reliability is crucial. That's why we have invested in mechanical and electronic quality and stability with the AX fitting. SmartHandle AX features extremely precise handle clearance.
- :: Security on the AX platform: we are not satisfied until everything is secure. Intrinsic Security Architecture (ISA) with its Secure Element forms the centrepiece of SmartHandle AX.
- :: Full backward compatibility and operational reliability: You can even open SmartHandle AX with your first-generation transponder.

### // TECHNICAL SPECIFICATIONS

- :: Variants: Euro Profile Cylinder Swiss Round
- :: Dimensions (W x H x D):  
Variant A0/B0: 66 x 120 x 21 mm  
Variant A1/B1: 66 x 140 x 21 mm  
Variant A2/B2: 65 x 174 x 21 mm
- :: Reader type:  
Active transponder technology  
Passive (MIFARE® Classic und DESFire®), Hybrid, BLE ready
- :: Operating modes: Online, virtual. network and offline (can be combined)
- :: Battery type: 4x CR2450, 3 V, lithium.
- :: Battery life: Up to 300,000 lock operations or up to 10 years on standby (active). up to 200,000 lock operations or up to 10 years on standby (passive).
- :: Temperature range: Operational: -25°C to +50°C  
In storage (temporary): -40°C to +50°C  
In storage (long-term): 0°C to +30°C
- :: IP code: IP40
- :: Feedback signals: Audible (buzzer), visual (LED – green/red)
- :: Loggable access events: Up to 3,000
- :: Time zone groups: 100+1
- :: Number of media that can be managed per SmartHandle AX: up to 64,000
- :: Radio network: Can be networked directly with integrated LockNode (can be retrofitted at any time)
- :: Firmware upgradable

DIGITAL  
SMART HANDLE AX

// BASIC VERSIONS

| Description   | Order code |
|---|------------|
| DIGITAL SMART HANDLE AX   |            |
| <b>PROFILE</b>  |            |
| A0 – Euro Profile cylinder, stationary installation, option for mechanical secondary locking device | A0         |
| A1 – Euro Profile cylinder, suspended installation; for a centres distance between 70 and 79 mm     | A1         |
| A2 – Euro Profile cylinder, suspended installation; for a centres distance between 70 and 110 mm    | A2         |
| B0 – Swiss Round, stationary installation, option for mechanical secondary locking device           | B0         |
| B1 – Swiss Round, suspended installation; for a centres distance between 70 and 79 mm               | B1         |
| B2 – Swiss Round, suspended installation; for a centres distance between 70 and 110 mm              | B2         |



DIGITAL  
SMART HANDLE AX

// OPTIONS

| Description                                       | Order code |
|---|------------|
| <b>OUTSIDE ESCUTCHEON</b>                         |            |
| No escutcheon cover                               | 0          |
| Escutcheon cover without locking cylinder opening | 1          |
| Escutcheon cover with locking cylinder opening    | 2          |
| <b>INSIDE ESCUTCHEON</b>                          |            |
| No escutcheon cover                               | 0          |
| Escutcheon cover without locking cylinder opening | 1          |
| Escutcheon cover with locking cylinder opening    | 2          |
| <b>HANDLE VERSION FOR OUTSIDE</b>                 |            |
| Without handle                                    | 0          |
| L-shaped R (rounded)                              | A          |
| L-shaped G (mitred)                               | B          |
| U-shaped R (rounded)                              | C          |
| U-shaped G (mitred)                               | D          |
| <b>HANDLE VERSION INSIDE</b>                      |            |
| Without handle                                    | 0          |
| L-shaped R (rounded)                              | A          |
| L-shaped G (mitred)                               | B          |
| U-shaped R (rounded)                              | C          |
| U-shaped G (mitred)                               | D          |
| <b>SURFACE FINISH</b>                             |            |
| Silver / black grey                               | 1          |
| Silver / white                                    | 2          |
| Brass / white                                     | 7          |

DIGITAL  
SMART HANDLE AX

| Description   | Order code  |
|---|-------------|
| <b>DOOR THICKNESS</b>   |             |
| 38 – 60 mm  | S           |
| 59 - 80 mm  | M           |
| 79 – 100 mm   | L           |
| 100 - 200 mm  | X           |
| <b>SPINDLE</b>  |             |
| 7 mm  | 07          |
| 8 mm  | 08          |
| 8.5 mm  | 85          |
| 9 mm (the FH option must be ordered in addition for fire doors and emergency exit devices)  | 09          |
| 10 mm   | 10          |
| <b>READER TECHNOLOGY</b> (please indicate Active and MIFARE for Hybrid)   |             |
| Permanently engaged for use (without electronics)   | 0           |
| Active  | A           |
| MIFARE®   | M           |
| <b>OPTIONS</b> (multiple selection possible)  |             |
| G2 technology   | G2          |
| Version with access control, time zone control and event logging  | ZK          |
| Approved for fire-retardant doors and emergency exit devices  | FH          |
| <b>DIRECT NETWORKING</b>  |             |
| LockNode for integration into digital door fittings to directly network SmartHandle AX with auto-configuration (can be retrofitted) | WNM.LN.I.S2 |

DIGITAL  
SMART HANDLE AX

| Description  | Order code          |
|--|---------------------|
| <b>ACCESSORIES</b>   |                     |
| Adapter for installing an FSB handle with ASL or AGL fastening type (observe compatibility list)       | S2.ADAPTERSET.FSB   |
| Adapter for installing a GLUTZ handle (observe compatibility list)                                     | S2.ADAPTERSET.GLUTZ |
| Inside and exterior handles for retrofit; indicate handle variant A, B, C or D and Spindle 7, 8 or 9   | S2.LEVER.x.x        |
| Spindle in S, M, L or X length and 7, 8 or 9 mm in diameter; please indicate length and diameter       | S2.SQUARE.x.x       |
| Cover for Variant A0/B0, black-grey  | S2.COVER.0.SG       |
| Cover for Variant A0/B0, white   | S2.COVER.0.W        |
| Cover for Variant A1/B1, black-grey  | S2.COVER.1.SG       |
| Cover for Variant A1/B1, white   | S2.COVER.1.W        |
| Cover for Variant A2/B2, black-grey  | S2.COVER.2.SG       |
| Cover for Variant A2/B2, white   | S2.COVER.2.W        |
| Sleeve nut for escutcheons, pack of 50   | S2.SLEEVENUT        |
| S,M,L or X screw set; indicate length (pack of 10)   | S2.SCREW.x          |
| Compensating bushings for Variant A0/B0, 10 bags with 2 x 3 units in each (in three different lengths) | S2.COMPSHELL        |
| Escutcheon cover without locking cylinder opening, for retrofit  | S2.ROSE             |
| Escutcheon cover with locking cylinder opening, for retrofit   | S2.ROSEPZ           |
| Extension sleeve from 8 mm to 8.5 mm in length (10 units)  | SH.HUELSE.8.5       |
| Blank cylinder 15-15 mm for Euro Profile cylinder to seal profile cylinder holes in the door           | BLINDZYLINDER.PZ    |
| Blank cylinder 15-15 mm for Swiss Round to seal profile cylinder holes in the door                     | BLINDZYLINDER.SR    |

DIGITAL  
SMART HANDLE AX  
FOR GLASS DOORS

// BASIC VERSIONS

| Description   | Order code |
|---|------------|
| <b>LOCK CASES TO FIT SMARTHANDLE AX ONTO GLASS DOORS</b>  |            |
| dormakaba Office Junior lock case for glass doors, designed for SmartHandle AX, DIN left, spindle, 8 mm Designed for glass doors with vertical holes at a gap of 80 mm Hole diameter 50 mm (SmartHandle must be ordered separately; only variant A1 is compatible)  | S2GL08A72L |
| dormakaba Office Junior lock case for glass doors, designed for SmartHandle AX, DIN right, spindle, 8 mm Designed for glass doors with vertical holes at a gap of 80 mm Hole diameter 50 mm (SmartHandle must be ordered separately; only variant A1 is compatible) | S2GL08A72R |
| <b>Important information:</b> The glass door fitting manufacturer is dormakaba. Please contact the manufacturer directly for accessories or further information.  |            |
| <b>ACCESSORIES</b>  |            |
| Cover for dormakaba Office Junior lock case for glass doors, designed for SmartHandle AX  | S2GLCOVER  |
| <b>DIRECT NETWORKING FOR DIGITAL SMART HANDLE</b>   |            |
| You can download an order placement guide for Digital SmartHandles from our website at <a href="http://www.simons-voss.com">www.simons-voss.com</a> under Downloads.  |            |

# DIGITAL SMART HANDLE AX

COMPOSITION OF THE ITEM NO. SHOWN IN EXAMPLE:

**Identifier for electronic door handle = SV-S2**

Profile: A0 = Euro Profile cylinder, stationary installation

A1 = Euro Profile cylinder, suspended installation, for centres distance 70–79 mm

A2 = Euro Profile cylinder, stationary installation, for centres distance 70-110 mm

A3 = Euro profile cylinder, stationary installation for metal frame doors

B0 = Swiss Round, stationary installation, option for mechanical secondary locking device

B1 = Swiss Round, suspended installation, for centres distance 70–79 mm

B2 = Swiss Round, suspended installation (long), for centres distance 70-110 mm

Outside escutcheon: 0 = none 1 = without locking cylinder opening 2 = with locking cylinder opening

Inside escutcheon: 0 = none 1 = without locking cylinder opening 2 = with locking cylinder opening

Handle variant outside: 0 = without handle

A = L-shaped R (rounded, curved)

B = L-shaped G (mitred)

C = U-shaped R (rounded, curved)

D = U-shaped G (mitred)

Adapter set for third-party handles optional

Handle variant, inside: 0 = without handle

A = L-shaped R (rounded, curved)

B = L-shaped G (mitred)

C = U-shaped R (rounded, curved)

D = U-shaped G (mitred)

Adapter set for third-party handles optional

Surface finish: 1 = silver / black-grey 2 = silver / white 7 = brass / white

Door thickness: S = 38-60 mm

M = 59-80 mm

L = 79-100 mm

X = 100-200 mm

Spindle: 07 = 7 mm

08 = 8 mm

85 = 8.5 mm

09 = 9 mm

10 = 10 mm

Reader technology: A = Active, M = MIFARE®  
(please indicate Active and MIFARE for Hybrid)

Options: (Select all that apply)

G2 = G2 technology

ZK = Access control, time zone control  
and event logging

FH = Approved for fire protection and  
emergency exit closures

|       |    |   |    |   |    |    |   |     |   |    |
|-------|----|---|----|---|----|----|---|-----|---|----|
| SV-S2 | A0 | 1 | 2. | A | A. | 1. | M | 08. | A | G2 |
|-------|----|---|----|---|----|----|---|-----|---|----|

=SV-S2.A0.12.AA.1.M08.A.G2

PASSIVE SMART CARD-TECHNOLOGY

# DIGITAL SMART HANDLES 3062 – SC

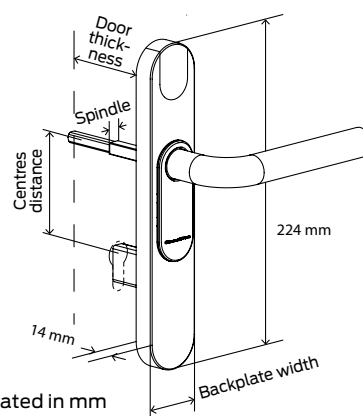


## DIGITAL SMART HANDLE 3062 – SC



This SimonsVoss electronic door handle combines intelligent access control functions with an elegant, ergonomic design. Behind its slim, flat exterior, SmartHandle contains highly innovative technology.

In developing the SmartHandle 3062 door fitting we focussed in particular on the requirements for use in the outdoors. SmartHandle can be used with doors fitted with Euro Profile cylinders, Swiss Round and Scandinavian Oval mortise locks.



### // UNIQUE SELLING POINT

The innovative snap-in fitting system means that there is no need to drill holes in doors, thus ensuring existing doors are not damaged and installation times are greatly reduced.

### // SYSTEM SPECIFICATIONS AND INTERDEPENDENCIES WITH OTHER PRODUCTS

LSM 3.1 or higher, Programming Device SmartCD.HF.

### // TECHNICAL SPECIFICATIONS (CAN ONLY BE SUPPLIED IN CONJUNCTION WITH G2)

- ⌘ Types: Euro Profile cylinder (as per DIN 18252 / EN1303), Swiss Round, Scandinavian Oval
- ⌘ Dimensions (W x H x D):  
Narrow: 41 x 224 x 14 mm  
Wide: 53 x 224 x 14 mm
- ⌘ Dimensions SO (W x H x D):  
Narrow: 48 x 230.2 x 21.75 mm  
Wide: 59 x 229.2 x 21.75 mm
- ⌘ Reader type:  
MIFARE® Classic, MIFARE® DESFire®, MIFARE Plus®
- ⌘ Battery type: 2x CR2450 3V lithium,
- ⌘ Battery life: up to 65,000 operations or up to 6 years on stand-by

- ⌘ Temperature range: Operational: -20°C to +50°C
- ⌘ In storage (temporary): -40°C to +70°C  
In storage (long-term): 0°C to +30°C
- ⌘ Feedback signals: Audible (buzzer) and visual (LED – blue/red)
- ⌘ Storable access events: up to 3,000
- ⌘ Time zone groups: 100+1
- ⌘ Number of media (transponders/SmartCards) which can be managed per cylinder:  
Up to 64,000  
(depends on the chosen configuration/template)
- ⌘ Number of locking operations that can be managed per SmartCard:  
up to 32,000 (depends on the chosen configuration/template)
- ⌘ Different permanent/open modes
- ⌘ Networking capability: network-ready with integrated LockNode; can be retrofitted at any time
- ⌘ Upgradability: Firmware upgradable
- ⌘ Other: freely configurable

# DIGITAL SMART HANDLE 3062 – SC



Digital SmartHandle is available with three different types of fastening: Snap-in, conventional fastening or conventional fastening with mechanical override (MO).



## // BASIC VERSIONS

| Description  | Order code                                     |
|--|--|
| <b>DIGITAL SMARTHANDLE 3062 – SC</b>   |  |
| Digital SmartHandle 3062 – SC – <b>SnapIn</b> with G2 Functions<br>Electronic door handle for mounting on doors, with handle lock designed for <b>Euro Profile or Swiss Round</b> .<br>Outer side can be operated with MIFARE® SmartCards/SmartTags inner side is permanently engaged.   | SHA*...A**.....3G2***<br>SHA*...B**.....3G2*** |
| Digital SmartHandle 3062 – SC – <b>Conventional fastening</b> with G2 functions<br>Electronic door handle for conventional mounting with screws, with handle lock designed for <b>Euro Profile or Swiss Round</b> ; outer side can be operated with MIFARE® SmartCards/SmartTags; internal is always engaged ready for use.                | SHA*...C**.....3G2***<br>SHA*...D**.....3G2*** |
| Digital SmartHandle 3062 – SC – <b>Conventional fastening with MO</b> and G2 functions – <b>for Euro Profile</b> :<br>Electronic door handle for conventional mounting with screws, with handle lock designed for Euro Profile;<br>outer side can be operated with MIFARE® SmartCards/SmartTags; internal is always engaged ready for use. | SHC*...E-L**.....3G2***                        |
| Digital SmartHandle 3062 – SC – <b>Conventional fastening with MO</b> and G2 functions<br>for <b>Swiss Round</b> : Electronic door handle for conventional mounting with screws, with handle lock designed for Swiss Round; outer side can be operated with MIFARE® SmartCards/SmartTags; internal is always engaged ready for use.        | SHD*...E-L**.....3G2***                        |

\* Identifiers for profile:

- A = Euro Profile/Swiss Round
- C = Euro Profile with mechanical override
- D = Swiss Round with mechanical override

\*\* Identifiers for fastening system/backplate

- width:
- A = snap-in, narrow
- B = snap-in, wide
- C = conventional fastening, narrow
- D = conventional fastening, wide
- E-L = versions for mechanical override

\*\*\* Identifier for reader technology/option:

- 3 = MIFARE® Pure
- G2 = with G2 functions



## DIGITAL SMART HANDLE 3062 – SC

| Description  | Order code              |
|--|-------------------------|
| Digital SmartHandle 3062 – <b>Fastening for mounting to escutcheon with MO</b> and G2 functions – for Euro Profile: Electronic door handle for conventional mounting on doors with screws; additional options for installing a mechanical cylinder as a secondary lock; equipped with a handle lock <b>for Euro Profile</b> ; outer side can only be operated with MIFARE® SmartCards/SmartTags, internal is always engaged.                     | SHF*...E-L**.....3G2*** |
| Digital SmartHandle 3062 – <b>Fastening for mounting to escutcheon with MO</b> and G2 functions – for Swiss Round: Electronic door handle for conventional mounting on doors with screws; additional options for installing a mechanical cylinder as a secondary lock; equipped with a handle lock <b>for Swiss Round</b> ; outer side can only be operated with MIFARE® SmartCards/SmartTags, internal is always engaged.                       | SHG*...E-L**.....3G2*** |
| Digital SmartHandle 3062– Fastening for <b>installation on metal frame doors with MO</b> and G2 functions – for Euro Profile : electronic door handle for conventional installation with screws; additional options for installing a mechanical cylinder as a secondary lock; equipped with a handle lock <b>for Euro Profile</b> ; outer side can only be operated with MIFARE® SmartCards/SmartTags; inner side is permanently engaged to open | SHH*...E-L**.....3G2*** |
| Digital SmartHandle 3062– Fastening for <b>installation on metal frame doors with MO</b> and G2 functions – for Swiss Round : electronic door handle for conventional installation with screws; additional options for installing a mechanical cylinder as a secondary lock; equipped with a handle lock <b>for Swiss Round</b> ; outer side can only be operated with MIFARE® SmartCards/SmartTags; inner side is permanently engaged to open   | SHI*...E-L**.....3G2*** |
| <b>// OPTIONS</b>  |                         |
| <b>PROFILE</b>   |                         |
| Euro Profile / Swiss Round   | A                       |
| Euro Profile with mechanical override (MO)   | C                       |
| Swiss Round with mechanical override (MO)  | D                       |
| <b>DOOR THICKNESS</b>  |                         |
| 39 – 60 mm   | S                       |
| 59 - 80 mm   | M                       |
| 79 – 100 mm  | L                       |
| <b>SPINDLE</b>   |                         |
| 7 mm   | 07                      |
| 8 mm   | 08                      |
| 8 mm (fire retardant doors)  | F8                      |
| 9 mm (fire retardant doors)  | 09                      |
| 10 mm (with adapter sleeve)  | 10                      |

DIGITAL  
SMART HANDLE 3062 – SC

// OPTIONS

| Description   | Order code |
|---|------------|
| <b>FASTENING TYPE / BACKPLATE WIDTH:</b>                              |            |
| Snap-in plate (41 mm)   | A          |
| Snap-in plate (53 mm)   | B          |
| Conventional fastening, narrow (41 mm)                                | C          |
| Conventional fastening, wide (53 mm)                                  | D          |
| MO recess internal and outside, narrow (41 mm)                        | E          |
| MO internal and outside recess, wide (53 mm)                          | F          |
| MO internal blank, recess outside, narrow (41 mm)                     | G          |
| MO internal blank, recess outside, wide (53 mm)                       | H          |
| MO internal recess, outside blank, narrow (41 mm)                     | I          |
| MO internal recess, outside blank, wide (53 mm)                       | J          |
| MO internal and outside blank, narrow (41 mm)                         | K          |
| MO internal and outside blank, wide (53 mm)                           | L          |
| <b>CENTRES DISTANCE</b>   |            |
| Conventional fastening versions C, D, K, L                            | 00         |
| 70 mm (for snap-in only)  | 70         |
| 72 mm (for SnapIn and Mechanical Override only)                       | 72         |
| 74 mm (for Swiss Round – Snap-in and Mechanical Override only)        | 74         |
| 75 mm (for SnapIn and Mechanical Override only)                       | 75         |
| 78 mm (for SnapIn and Mechanical Override only)                       | 78         |
| 85 mm (for SnapIn and Mechanical Override only)                       | 85         |
| 88 mm (for SnapIn and Mechanical Override only)                       | 88         |
| 88 mm (for SnapIn and Mechanical Override only)                       | 90         |
| 92 mm (for SnapIn and Mechanical Override only)                       | 92         |
| 94 mm (for Swiss Round only and Snap-in and Mechanical Override only) | 94         |

DIGITAL  
SMART HANDLE 3062 – SC

| Description   | Order code |
|---|------------|
| <b>VERSION</b>  |            |
| Engaged (for SmartHandle without electronics only)                  | 0          |
| Engages for use on one side (for all SmartHandles with electronics) | 1          |
| <b>HANDLE VERSION, OUTSIDE</b>                                      |            |
| L-shaped R (rounded)  | A          |
| L-shaped G (mitred)   | B          |
| U-shaped R (rounded)  | C          |
| U-shaped G (mitred)   | D          |
| U-shaped R (rounded), offset  | E          |
| <b>HANDLE VERSION, INSIDE</b>                                       |            |
| L-shaped R (rounded)  | A          |
| L-shaped G (mitred)   | B          |
| U-shaped R (rounded)  | C          |
| U-shaped G (mitred)   | D          |
| U-shaped R (rounded), offset  | E          |
| <b>SURFACE</b>  |            |
| Stainless steel, brushed  | 1          |
| Brass version   | 3          |
| <b>READER TECHNOLOGY</b>  |            |
| MIFARE® SmartCard   | 3          |
| <b>OPTIONS</b>  |            |
| With G2 functions   | G2         |
| Version with access control, time zone control and event logging    | ZK         |
| Weatherproof version  | WP         |
| Version with security classification ES1 and PAS24                  | E1         |
| <b>ORDER HELP</b>   |            |

You can download an order placement guide for Digital SmartHandles from our website at [www.simons-voss.com](http://www.simons-voss.com) under Downloads.

DIGITAL  
SMART HANDLE 3062 – SC

| Description  | Order code       |
|--|------------------|
| <b>OTHER ACCESSORIES</b>   |                  |
| Sleeve from 8 mm to 8.5 mm (10 units)  | SH.HUELSE.8.5    |
| Sleeve from 7 mm to 8 mm (10 units)  | SH.HUELSE.7.8    |
| <b>DIRECT NETWORKING</b>   |                  |
| LockNode for integration into digital door fittings to directly network SmartHandle 3062 (can be retrofitted)  | WNM.LN.I.SH      |
| Weatherproof version of the Lock Node  | .WP              |
| <b>COVER</b>   |                  |
| Inside cover (narrow) for SmartCard fittings and inlay for retrofit or as replacement  | SH.CS            |
| Inside cover (narrow, Euro Profile) for smart card fittings and inlay for retrofit or as replacement;<br>indicate the centres distance for recess (e.g. 72 mm)     | SH.CS.xx         |
| Outer cover (narrow) for SmartCard fittings and inlay for retrofit or as replacement   | SH.2.CSP         |
| Outer cover (narrow, Euro Profile) for SmartCard fittings and inlay for retrofit or as replacement;<br>indicate the centres distance for recess (e.g. 72 mm)       | SH.2.CSP.xx      |
| Inside cover (wide) for SmartCard fittings and inlay for retrofit or as replacement  | SH.CB            |
| Inside cover (wide, Euro Profile) for SmartCard fittings and inlay for retrofit or as replacement;<br>indicate the centres distance for recess (e.g. 72 mm)        | SH.CB.xx         |
| Outer cover (wide) for SmartCard fittings and inlay for retrofit or as replacement   | SH.2.CBP         |
| Outer cover (wide, Euro Profile) for SmartCard fittings and inlay for retrofit or as a replacement;<br>indicate the centres distance for the recess (e.g. 72 mm)   | SH.2.CBP.xx      |
| Inside cover (narrow, Swiss Round) for SmartCard fittings and inlay for retrofit or as a replacement;<br>indicate the centres distance for the recess (e.g. 78 mm) | SH.CS.SR.I.xx    |
| Inside cover (wide, Swiss Round) for SmartCard fittings and inlay for retrofit or as a replacement;<br>indicate the centres distance for the recess (e.g. 78 mm)   | SH.CB.SR.I.xx    |
| Outer cover (narrow, Swiss Round) for SmartCard fittings and inlay for retrofit or as a replacement;<br>indicate the centres distance for the recess (e.g. 78 mm)  | SH.2.CSP.SR.A.xx |
| Outer cover (wide, Swiss Round) for SmartCard fittings and inlay for retrofit or as a replacement;<br>indicate the centres distance for the recess (e.g. 78 mm)    | SH.2.CBP.SR.A.xx |

DIGITAL  
SMART HANDLE 3062 – SC

| Description   | Order code |
|---|------------|
| <b>HANDLE FOR RETROFIT OR CONVERSION</b>  |            |
| SmartHandle lever handle for retrofitting or conversion, L-shape round curved, inside and outside handle, with locking ring and socket screw  | SH.LEVA    |
| SmartHandle lever handle for retrofitting or conversion, L-shaped with mitre, inside and outside handle, with locking ring and socket screw   | SH.LEVB    |
| SmartHandle lever handle for retrofitting or conversion, U-shape round curved, inside and outside handle, with locking ring and socket screw  | SH.LEVC    |
| SmartHandle lever handle for retrofitting or conversion, U-shaped with mitre, inside and outside handle, with locking ring and socket screw   | SH.LEVD    |
| SmartHandle lever handle for retrofitting or conversion, U-shape round curved, cranked, for metal frame doors, inside and outside lever handle, with locking ring and socket screw  | SH.LEVE    |
| SmartHandle lever handle for retrofitting, only for SmartHandle with interchangeable lever handles on both sides, U-shape rounded, inside and outside lever handle, with locking ring and Allen screw, with antibacterial coating | SH.LEVC.AB |
| Lock ring for interchangeable handle for SmartHandle; (10 pc.)  | SH.RING    |
| <b>ORDER HELP</b>   |            |
| You can download an order placement guide for Digital SmartHandles from our website at <a href="http://www.simons-voss.com">www.simons-voss.com</a> under Downloads..   |            |

DIGITAL  
SMART HANDLE 3062  
SKG – SC

// BASIC VERSIONS

| Description  | Order code   |
|--|--|
| <b>DIGITALES SMART HANDLE 3062 – SKG – EURO PROFILE – SC</b>   |  |
| Digital SmartHandle 3062 – SKG – <b>Conventional fastening</b> with G2 functions:<br>Electronic door handle for conventional mounting with screws, <b>SKG approval SKG - 2 stars</b> ,<br>with handle <b>lock designed for Euro Profile</b> . Outer side can only be operated with MIFARE® SmartCards/<br>SmartTags; inner side is permanently engaged.  | SHA*...C**...3G2DP***<br>SHA*...D**...3G2DP***       |
| Digital SmartHandle 3062 SKG <b>DoorMonitoring</b> – <b>Conventional Fastening</b> with G2 and ZK functions:<br>Electronic door handle for conventional assembly with screws, <b>SKG approval</b><br><b>SKG - 2 stars</b> , with handle <b>lock designed for Euro Profile</b> . Outer side can only be operated with MIFARE®<br>SmartCards/SmartTags; inner side is permanently engaged. Network capability: directly networked,<br>with integrated LockNode | SHA*...C**2...3G2DPZK***<br>SHA*...D**2...3G2DPZK*** |
| Digital SmartHandle 3062 SKG <b>DoorMonitoring</b> – <b>Conventional Fastening</b> with G2<br>ZK function to connect to a <b>(SVP ) sensor lock</b> : Electronic door handle for fastening<br>on doors with handle <b>lock designed for Euro Profile</b> . Outer side can only be operated with MIFARE®<br>SmartCards/SmartTags; inner side is permanently engaged. Network capability: directly networked<br>with integrated LockNode                       | SHA*...C**3...3G2DPZK***<br>SHA*...D**3...3G2DPZK*** |

// OPTIONS

PROFILE

|              |   |
|--------------|---|
| Euro Profile | A |
|--------------|---|

DOOR THICKNESS

|                           |   |
|---------------------------|---|
| Door thickness 32 - 50 mm | S |
| Door thickness 50 - 70 mm | M |
| Door thickness 70 - 90 mm | L |

SPINDLE

|      |    |
|------|----|
| 8 mm | 08 |
|------|----|

Backplate width | Fastening system

|  |   |
|--|---|
| Conventional fastening, narrow (47 mm) | C |
| Conventional fastening, wide (59 mm)   | D |

DIGITAL  
SMART HANDLE 3062  
SKG – SC

| Description   | Order code  |
|---|-------------|
| <b>CENTRES DISTANCE</b>   |             |
| Conventional fastening versions C, D, K, L  | 00          |
| <b>VERSION</b>  |             |
| Engages for use on one side (for all SmartHandles with electronics)   | 1           |
| <b>HANDLE VERSION, OUTSIDE</b>  |             |
| L-shaped R (rounded)  | A           |
| L-shaped G (mitred)   | B           |
| U-shaped R (rounded)  | C           |
| U-shaped G (mitred)   | D           |
| U-shaped R (rounded), offset  | E           |
| <b>HANDLE VERSION, INSIDE</b>   |             |
| Inside thumb-turn   | K           |
| <b>SURFACE FINISH</b>   |             |
| Stainless steel, brushed  | 1           |
| <b>READER TECHNOLOGY</b>  |             |
| MIFARE® SmartCard   | 3           |
| <b>OPTIONS</b>  |             |
| With G2 functions   | G2          |
| Version with access control, time zone control and event logging  | ZK          |
| Weatherproof version (applies to outer side only)   | WP          |
| <b>DIRECT NETWORKING</b>  |             |
| LockNode for integration into digital door fittings to directly network SmartHandle 3062 (can be retrofitted) | WNM.LN.I.SH |
| Weatherproof version of the LockNode for outdoor use,   | .WP         |

DIGITAL  
SMART HANDLE 3062  
DOOR MONITORING – SC

| // BASIC VERSIONS  | Order code                                       |
|--|--|
| <b>DIGITAL SMART HANDLE 3062 – DOOR MONITORING – WITH INTEGRATED LOCK NODE</b>   |  |
| Digital SmartHandle 3062 DM – SC – <b>SnapIn – with Door Monitoring</b> and with G2 / ZK and DoorMonitoring functions: Electronic door handle for mounting on doors, with <b>SVP handle lock designed for Euro Profile</b> . Outer side can be operated with MIFARE® SmartCards/SmartTags; inner side is permanently engaged. Network-ready: directly networked with integrated LockNode   | SHA*...A**2...3G2ZK***<br>SHA*...B**2...3G2ZK*** |
| Digital SmartHandle 3062 DM – SC – <b>Conventional fastening – with Door Monitoring</b> and with G2 and ZK functions: Electronic door handle for mounting on doors, with <b>SVP handle lock designed for Euro Profile</b> . Outer side can be operated with MIFARE® SmartCards/SmartTags; inner side is permanently engaged. Network-ready: directly networked with integrated LockNode  | SHA*...C**2...3G2ZK***<br>SHA*...D**2...3G2ZK*** |
| Digital SmartHandle 3062 DM – SC – <b>SnapIn – with Door Monitoring</b> and with G2 and ZK functions to connect to an (SVP) sensor lock: Electronic door handle for mounting on doors, with <b>(SVP) sensor lock designed for Euro Profile</b> . Outer side can be operated with MIFARE® SmartCards/SmartTags; inner side is permanently engaged. Network-ready: directly networked with integrated LockNode   | SHA*...A**3...3G2ZK***<br>SHA*...B**3...3G2ZK*** |
| Digital SmartHandle 3062 DM – SC – <b>Conventional fastening – with DoorMonitoring</b> and with G2 and ZK functions to connect to an (SVP) sensor lock: Electronic door handle for mounting to doors, prepared with a <b>(SVP) sensor lock for Euro Profile or Swiss Round</b> , outside can be operated with SimonsVoss transponder, inside is always engaged. Network-ready: directly networked with integrated LockNode   | SHA*...C**3...3G2ZK***<br>SHA*...D**3...3G2ZK*** |
| Digital SmartHandle 3062 DM – SC – <b>Conventional fastening with with MO – with Door Monitoring</b> and G2 and ZK access control functions to connect to a (SVP) sensor lock: electronic door handle for mounting onto doors; with <b>(SVP) sensor lock designed for Euro Profile</b> ; additional options for installing a mechanical cylinder as a secondary lock; outer side can be operated with SimonsVoss transponders; inner side is permanently engaged to open. Network-ready: directly networked with integrated LockNode | SHC*...E-L**3...3G2ZK***                         |
| Digital SmartHandle 3062 DM – SC – <b>Conventional fastening with with MO – with Door Monitoring</b> and G2 and ZK access control functions to connect to a (SVP) sensor lock: electronic door handle for mounting onto doors; with <b>(SVP) sensor lock designed for Swiss Round</b> ; additional options for installing a mechanical cylinder as a secondary lock; outer side can be operated with SimonsVoss transponders; inner side is permanently engaged to open. Network-ready: directly networked with integrated LockNode  | SHD*...E-L**3...3G2ZK***                         |

\* Identifiers for profile:

- A = Euro Profile/Swiss Round
- C = Euro Profile with mechanical override
- D = Swiss Round with mechanical override

\*\* Identifiers for fastening system/backplate

- width:
- A = snap-in, narrow
- B = snap-in, wide
- C = conventional fastening, narrow
- D = conventional fastening, wide
- E-L = versions for mechanical override

\*\*\* Identifier for reader technology/option:

- 3 = MIFARE® Pure
- G2 = with G2 functions
- ZK = with access control. time zone control and event logging



DIGITAL  
SMART HANDLE 3062  
DOOR MONITORING – SC

// BASIC VERSIONS

| Description  | Order code                                       |
|--|--|
| <b>DIGITAL SMART HANDLE 3062 – SC – DOOR MONITORING – WITH INTEGRATABLE LOCK NODE</b>  |  |
| Note: LockNode for direct networking can be ordered as an option.  |  |
| Digital SmartHandle 3062 DM – SC – <b>SnapIn – with Door Monitoring</b> and with G2 and ZK and DoorMonitoring functions: Electronic door handle for mounting on doors, with <b>SVP handle lock designed for Euro Profile</b> ; inner handle activation detection, outer side can be operated with MIFARE® SmartCard/ SmartTags; inner side is permanently engaged ready for use  | SHA*...A**4...3G2ZK***<br>SHA*...B**4...3G2ZK*** |
| Digital SmartHandle 3062 DM – SC – <b>Conventional fastening – with Door Monitoring</b> and with G2 and ZK functions: Electronic door handle for mounting on doors, with <b>SVP handle lock designed for Euro Profile or Swiss Round</b> ; inner handle activation detection, outer side can be operated with MIFARE® SmartCard/ SmartTags; inner side is permanently engaged ready for use  | SHA*...C**4...3G2ZK***<br>SHA*...D**4...3G2ZK*** |
| Digital SmartHandle 3062 DM – SC – <b>Conventional fastening with MO – with Door Monitoring</b> and with G2 and ZK functions: Electronic door fitting for mounting on doors, with <b>(SVP) handle lock prepared for Euro Profile</b> , additional options for installing a mechanical cylinder for closing over, inner handle activation detection, outside can be operated with MIFARE® SmartCard/SmartTags, inside is always engaged | SHC*...E-L**4...3G2ZK***                         |
| Digital SmartHandle 3062 DM – SC – <b>Conventional fastening with MO – with Door Monitoring</b> and with G2 and ZK functions: Electronic door fitting for mounting on doors, with <b>(SVP) handle lock prepared for Swiss Round</b> , additional options for installing a mechanical cylinder for closing over, inner handle activation detection, outside can be operated with MIFARE® SmartCard/SmartTags, inside is always engaged  | SHD*...E-L**4...1G2ZK***                         |

// OPTIONS

| Description                                | Order code |
|--|------------|
| <b>PROFILE</b>                             |            |
| Euro Profile / Swiss Round                 | A          |
| Euro Profile with mechanical override (MO) | C          |
| Swiss Round with mechanical override (MO)  | D          |

\* Identifiers for profile:

- A = Euro Profile/Swiss Round
- C = Euro Profile with mechanical override
- D = Swiss Round with mechanical override

\*\* Identifiers for fastening system/backplate

- width:
- A = snap-in, narrow
- B = snap-in, wide
- C = conventional fastening, narrow
- D = conventional fastening, wide
- E-L = versions for mechanical override

\*\*\* Identifier for reader technology/option:

- 3 = MIFARE® Pure
- G2 = with G2 functions
- ZK = with access control. time zone control and event logging

DIGITAL  
SMART HANDLE 3062  
DOOR MONITORING – SC

// OPTIONS

| Description  | Order code |
|--|------------|
| <b>DOOR THICKNESS</b>  |            |
| 39 – 60 mm   | S          |
| 59 - 80 mm   | M          |
| 79 – 100 mm  | L          |
| <b>SPINDLE</b>   |            |
| 7 mm   | 07         |
| 8 mm   | 08         |
| 8 mm (fire retardant doors)  | F8         |
| 9 mm (fire retardant doors)  | 09         |
| 10 mm  | 10         |
| <b>FASTENING TYPE / BACKPLATE WIDTH:</b>                           |            |
| Snap-in narrow plate (41 mm)                                       | A          |
| Snap-in wide plate (53 mm)   | B          |
| Conventional fastening, narrow (41 mm)                             | C          |
| Conventional fastening, wide (53 mm)                               | D          |
| <b>CENTRES DISTANCE</b>  |            |
| Conventional fastening versions C, D, K, L                         | 00         |
| Centres distance = 70 mm (nur für SnapIn)                          | 70         |
| Centres distance = 72 mm (for SnapIn and Mechanical Override only) | 72         |
| Centres distance = 75 mm (for SnapIn and Mechanical Override only) | 75         |
| Centres distance = 78 mm (for SnapIn and Mechanical Override only) | 78         |
| Centres distance = 85 mm (for SnapIn and Mechanical Override only) | 85         |
| Centres distance = 88 mm (for SnapIn and Mechanical Override only) | 88         |
| Centres distance = 90 mm (for SnapIn and Mechanical Override only) | 90         |
| Centres distance = 92 mm (for SnapIn and Mechanical Override only) | 92         |

DIGITAL  
SMART HANDLE 3062  
DOOR MONITORING – SC

// OPTIONS

| Description   | Order code  |
|---|-------------|
| <b>VERSION</b>  |             |
| Coupled on one side/DoorMonitoring functions  | 2           |
| DoorMonitoring with connection to sensor locks  | 3           |
| DoorMonitoring with handle sensor   | 4           |
| <b>HANDLE VERSION FOR OUTSIDE</b>   |             |
| L-shaped R (rounded)  | A           |
| L-shaped G (mitred)   | B           |
| U-shaped R (rounded)  | C           |
| U-shaped G (mitred)   | D           |
| U-shaped R (rounded), offset  | E           |
| <b>Handle version inside</b>  |             |
| L-shaped R (rounded)  | A           |
| L-shaped G (mitred)   | B           |
| U-shaped R (rounded)  | C           |
| U-shaped G (mitred)   | D           |
| U-shaped R (rounded), offset  | E           |
| <b>SURFACE FINISH</b>   |             |
| Stainless steel, brushed  | 1           |
| Brass   | 3           |
| <b>READER TECHNOLOGY</b>  |             |
| MIFARE® SmartCard   | 3           |
| <b>OPTIONS</b>  |             |
| With G2 functions   | G2          |
| Version with access control, time zone control and event logging  | ZK          |
| Weatherproof version (applies to outer side only)   | WP          |
| <b>DIRECT NETWORKING</b>  |             |
| LockNode for integration into digital door fittings to directly network SmartHandle 3062 (can be retrofitted) | WNM.LN.I.SH |
| Weatherproof version of the LockNode for outdoor use,   | .WP         |

DIGITAL  
SMART HANDLE 3062  
SCANDINAVIAN OVAL – SC



// BASIC VERSIONS

| Description  | Order code      |
|--|-----------------|
| <b>DIGITAL SMART HANDLE 3062 – SCANDINAVIAN OVAL – SC</b>  |                 |
| Digital SmartHandle 3062 – Scandinavian Oval – SC with G2 Functions<br>Electronic door handle for mounting on doors, with handle lock designed for Scandinavian Oval; outer side can be operated with MIFARE® SmartCards/SmartTags; inner side is permanently engaged ready for use.   | SHB*.....3G2*** |
| Digital SmartHandle 3062 – Scandinavian Oval – SC with MO and G2 Functions<br>Electronic door handle for mounting on doors; additional options for installing a mechanical cylinder as a secondary lock; with handle lock designed for Scandinavian Oval; outer side can be operated with MIFARE® SmartCards/SmartTags; inner side is permanently engaged ready for use. | SHE*.....3G2*** |

// OPTIONS

| Description  | Order code |
|--|------------|
| <b>PROFILE</b>   |            |
| Scandinavian Oval  | B          |
| Scandinavian Oval with Mechanical Override (MO)                  | E          |
| <b>DOOR THICKNESS</b>  |            |
| 33 - 54 mm   | S          |
| 53 - 74 mm   | M          |
| 73 – 94 mm   | L          |
| <b>DOOR THICKNESS SCANDINAVIAN OVAL WITH DRILLING PROTECTION</b> |            |
| 30 – 51 mm (for versions with drilling protection DP only)       | S          |
| 50 – 71 mm (for versions with drilling protection DP only)       | M          |
| 70 – 91 mm (for versions with drilling protection DP only)       | L          |

\* Identifiers for profile:

- B = Scandinavian Oval
- E = Scandinavian Oval with Mechanical Override

\*\*\* Identifier for reader technology/option:

- 3 = MIFARE® SmartCards/SmartTags
- G2 = with G2 functions

DIGITAL  
SMART HANDLE 3062  
SCANDINAVIAN OVAL – SC

| Description  | Order code |
|--|------------|
| <b>SPINDLE</b>   |            |
| 7 mm   | 07         |
| 8 mm   | 08         |
| 8 mm (fire retardant doors)  | F8         |
| 9 mm (fire retardant doors)  | 09         |
| 10 mm (with adapter sleeve)  | 10         |
| <b>FASTENING TYPE / BACKPLATE WIDTH:</b>                                     |            |
| Conventional fastening, narrow (41 mm)                                       | C          |
| Conventional fastening, wide (53 mm)   | D          |
| Conventional fastening – MO internal and outside recess, narrow (41 mm)      | E          |
| Conventional fastening – MO internal and outside recess, wide (53 mm)        | F          |
| Conventional fastening – MO internal blind / outside recess, narrow (41 mm)  | G          |
| Conventional fastening – MO internal blind / outside recess, wide (53 mm)    | H          |
| Conventional fastening – MO internal recess / outside blind, narrow (41 mm)  | I          |
| Conventional fastening MO – MO internal recess / outside blind, wide (53 mm) | J          |
| Conventional fastening – MO internal and outside blind, narrow (41 mm)       | K          |
| Conventional fastening with MO – internal and outside blind, wide (53 mm)    | L          |
| <b>CENTRES DISTANCE</b>  |            |
| Adapter fastening  | 00         |
| 96 mm (not for Mechanical Override)  | 96         |
| 105 mm (for Mechanical Override only)  | 05         |
| <b>VERSION</b>   |            |
| Engages for use on one side  | 1          |

DIGITAL  
SMART HANDLE 3062  
SCANDINAVIAN OVAL – SC

| Description  | Order code  |
|--|-------------|
| <b>HANDLE VERSION, OUTSIDE</b>   |             |
| L-shaped R (rounded)   | A           |
| L-shaped G (mitred)  | B           |
| U-shaped R (rounded)   | C           |
| U-shaped G (mitred)  | D           |
| U-shaped R (rounded), offset   | E           |
| <b>HANDLE VERSION, INSIDE</b>  |             |
| L-shaped R (rounded)   | A           |
| L-shaped G (mitred)  | B           |
| U-shaped R (rounded)   | C           |
| U-shaped G (mitred)  | D           |
| U-shaped R (rounded), offset   | E           |
| <b>SURFACE</b>   |             |
| Stainless steel, brushed   | 1           |
| Brass version  | 3           |
| <b>READER TECHNOLOGY</b>   |             |
| MIFARE® SmartCards   | 3           |
| <b>OPTIONS</b>   |             |
| With G2 functions  | G2          |
| Version with access control, time zone control and event logging   | ZK          |
| Weatherproof version (for outer side only)   | WP          |
| <b>DIRECT NETWORKING FOR DIGITAL SMART HANDLE</b>  |             |
| LockNode for integration into the electronic door handle for direct networking of the SmartHandle 3062 with autoconfiguration (can be retrofitted)                   | WNM.LN.I.SH |
| Weatherproof version of the LockNode for outdoor use, can only be ordered in connection with the weatherproof version of the SmartHandle (WP)                        | WP          |
| <b>ORDER PLACEMENT GUIDE</b>   |             |
| You can download an order placement guide for Digital SmartHandles from our website at <a href="http://www.simons-voss.com">www.simons-voss.com</a> under Downloads. |             |

DIGITAL  
SMART HANDLE 3062  
SCANDINAVIAN OVAL – SC  
DOOR MONITORING

// BASIC VERSIONS

| Description  | Order code                                       |
|--|--|
| <b>DIGITAL SMART HANDLE 3062 – DOOR MONITORING – WITH INTEGRATED LOCK NODE</b>   |  |
| Digital SmartHandle 3062 DM – <b>SnapIn – with Door Monitoring</b> and with G2 / ZK and DoorMonitoring functions: Electronic door handle for mounting on doors, with <b>SVP sensor lock designed for Scandinavian Oval</b> outer side can be operated with MIFARE® SmartCards/SmartTags, inner side is permanently engaged to open. Network-ready: directly networked with integrated LockNode   | SHB*...C**3...3G2ZK***<br>SHB*...D**3...3G2ZK*** |
| Digital SmartHandle 3062 DM – <b>Conventional fastening with MO – with Door Monitoring</b> and G2 and ZK access control functions to connect to a (SVP) sensor lock: electronic door handle for mounting onto doors; with <b>(SVP) handle lock designed for Scandinavian Oval</b> ; additional options for installing a mechanical cylinder as a secondary lock; outer side can be operated with MIFARE® SmartCards/SmartTags; inner side is permanently engaged to open. Network-ready: directly networked with integrated LockNode | SHE*...E-L**3...3G2ZK***                         |
| <b>DIGITAL SMART HANDLE 3062 – DOOR MONITORING – WITH INTEGRATABLE LOCK NODE</b>   |  |
| Note: LockNode for direct networking can be ordered as an option.  |  |
| Digital SmartHandle 3062 DM – <b>Conventional fastening – with Door Monitoring</b> and with G2 and ZK functions: Electronic door handle for mounting on doors, with <b>SVP sensor lock designed for Scandinavian Oval</b> ; inner handle activation detection, outer side can be operated with MIFARE® SmartCards/SmartTags, inner side is permanently engaged ready for use   | SHB*...C**4...3G2ZK***<br>SHB*...D**4...3G2ZK*** |
| Digital SmartHandle 3062 DM – <b>Conventional fastening with MO – with Door Monitoring</b> and with G2 and ZK functions: Electronic door handle for mounting on doors, prepared for <b>Scandinavian Oval with a (SVP) handle lock</b> , additional options for installation of a mechanical cylinder for secondary lock, detection actuation of internal lever handle, outside can be operated with MIFARE® SmartCards/SmartTags, inside is always engaged   | SHE*...E-L**4...3G2ZK***                         |

\* Identifiers for profile:

- B = Scandinavian Oval (SO)
- E = SO with Mechanical Override

\*\* Identifiers for fastening system/backplate width:

- C = conventional fastening, narrow
- D = conventional fastening, wide
- E-L = versions for mechanical override

\*\*\* Identifier for reader technology/option:

- 3 = MIFARE® SmartCards/SmartTags
- G2 = with G2 functions
- ZK = Weatherproof version

DIGITAL  
SMART HANDLE 3062  
SCANDINAVIAN OVAL – SC  
DOOR MONITORING

// OPTIONS

| Description  | Order code |
|--|------------|
| <b>PROFILE</b>   |            |
| Scandinavian Oval  | B          |
| Scandinavian Oval with Mechanical Override (MO)                              | E          |
| <b>DOOR THICKNESS</b>  |            |
| 33 - 54 mm   | S          |
| 53 - 74 mm   | M          |
| 73 - 94 mm   | L          |
| <b>SPINDLE</b>   |            |
| 8 mm   | 08         |
| 8 mm (fire retardant doors)  | F8         |
| 9 mm (fire retardant doors)  | 09         |
| 10 mm  | 10         |
| <b>FASTENING TYPE / BACKPLATE WIDTH:</b>                                     |            |
| Conventional fastening, narrow (41 mm)                                       | C          |
| Conventional fastening, wide (53 mm)   | D          |
| Conventional fastening – MO internal and outside recess, narrow (41 mm)      | E          |
| Conventional fastening – MO internal and outside recess, wide (53 mm)        | F          |
| Conventional fastening – MO internal blind / outside recess, narrow (41 mm)  | G          |
| Conventional fastening – MO internal blind / outside recess, wide (53 mm)    | H          |
| Conventional fastening – MO internal recess / outside blind, narrow (41 mm)  | I          |
| Conventional fastening MO – MO internal recess / outside blind, wide (53 mm) | J          |
| Conventional fastening – MO internal and outside blind, narrow (41 mm)       | K          |
| Conventional fastening with MO – internal and outside blind, wide (53 mm)    | L          |



DIGITAL  
SMART HANDLE 3062  
SCANDINAVIAN OVAL – SC  
DOOR MONITORING

| Description  | Order code |
|--|------------|
| <b>CENTRES DISTANCE</b>  |            |
| 96 mm (not for Mechanical Override)  | 96         |
| 105 mm (for Mechanical Override only)  | 05         |
| <b>VERSION</b>   |            |
| Engages for use on one side   DoorMonitoring function with connection to SVP sensor lock | 3          |
| Engages for use on one side   DoorMonitoring function inner handle activation detection  | 4          |
| <b>HANDLE VERSION, OUTSIDE</b>   |            |
| L-shaped R (rounded)   | A          |
| L-shaped G (mitred)  | B          |
| U-shaped R (rounded)   | C          |
| U-shaped G (mitred)  | D          |
| U-shaped R (rounded), offset   | E          |
| <b>HANDLE VERSION, INSIDE</b>  |            |
| L-shaped R (rounded)   | A          |
| L-shaped G (mitred)  | B          |
| U-shaped R (rounded)   | C          |
| U-shaped G (mitred)  | D          |
| U-shaped R (rounded), offset   | E          |

DIGITAL  
SMART HANDLE 3062  
SCANDINAVIAN OVAL – SC  
DOOR MONITORING

| Description  | Order code  |
|--|-------------|
| <b>SURFACE</b>   |             |
| Stainless steel, brushed   | 1           |
| Brass version  | 3           |
| <b>READER TECHNOLOGY</b>   |             |
| MIFARE® SmartCards/SmartTags   | 3           |
| <b>OPTIONS</b>   |             |
| With G2 functions  | G2          |
| Version with access control, time zone control and event logging   | ZK          |
| Weatherproof version (for outer side only)   | WP          |
| <b>DIRECT NETWORKING FOR DIGITAL SMART HANDLE</b>  |             |
| LockNode for integration into the electronic door handle for direct networking of the SmartHandle 3062 with autoconfiguration (can be retrofitted)                   | WNM.LN.I.SH |
| Weatherproof version of the LockNode for outdoor use, can only be ordered in connection with the weatherproof version of the SmartHandle (WP)                        | WP          |
| <b>ORDER PLACEMENT GUIDE</b>   |             |
| You can download an order placement guide for Digital SmartHandles from our website at <a href="http://www.simons-voss.com">www.simons-voss.com</a> under Downloads. |             |

# DIGITAL SMART HANDLE 3062 – SC

COMPOSITION OF THE ITEM NO. SHOWN IN EXAMPLE:

**Identifier for electronic door handle = SH**

Profile: **A=Euro Profil/Swiss Round**

B = Scandinavian Oval

C=Euro Profile with Mechanical Override (MO)

D=Swiss Round with MO

E = Scandinavian Oval with MO

Profile/door thickness: **S =39-60 mm or 33-54 mm for SO, 30-51 for SO.DP**

M =59-80 mm or 53-74 mm for SO, 50-71 mm for SO.DP

L =79-100 mm or 73-94 mm for SO, 70-91 mm for SO.DP

Spindle: 07 = 7 mm

08 = 8 mm

F8 = 8 mm (fire retardant doors)

09 = 9 mm (fire retardant doors)

**10 = 10 mm** (with adapter sleeve)

8.5 mm (via sleeve SH.HUELSE.8.5, see Accessories)

Fastening type/plate width: A = SnapIn narrow (41 mm)

**B = SnapIn wide (53 mm)**

C = Conventional fastening, narrow (41 mm)

D = Conventional fastening, wide (53 mm)

E = Conventional fastening, MO – recess inside and outside, narrow (41 mm)

F = Conventional fastening, MO – recess inside and outside, wide (53 mm)

G = Conventional fastening, MO – inside blank/recess outside, narrow (41 mm)

H = Conventional fastening, MO – inside blank/recess outside, wide (53 mm)

I = Conventional fastening, MO – inside recess/outside blank, narrow (41 mm)

J = Conventional fastening, MO – inside recess/outside blank, wide (53 mm)

K = Conventional fastening, MO – inside and outside blank, narrow (41 mm)

L = Conventional fastening, MO – inside and outside blank, wide (53 mm)

Centres distance: 00 = Conventional fastening system

70 = 70 mm

72 = 72 mm

74 = 74 mm (for Swiss Round only)

75 = 75 mm

78 = 78 mm

**85 = 85 mm**

88 = 88 mm

90 = 90 mm

92 = 92 mm

94 = 94 mm (for Swiss Round only)

96 = 96 mm (for Scandinavian Oval only)

05 = 105 mm (for Scandinavian Oval only)

Version: 0 = engaged (without electronics, not for Scandinavian Oval)

**1 = coupling on one side**

Handle variant, outside: **A = L-shaped R (rounded, curved)**

B = L-shaped G (mitred)

C = U-shaped R (rounded curved)

D = U-shaped G (mitred)

E = U-shaped R (rounded, curved), offset

Handle versions, inside: **A = L-shaped R (rounded, curved)**

B = L-shaped G (mitred)

C = U-shaped R (rounded, curved)

D = U-shaped G (mitred)

E = U-shaped R (rounded, curved), offset

Surface finish: **1 = brushed stainless steel**

3 = brass

Reader technology: 0 = without electronics

1 = active

2 = Hybrid

**3 = MIFARE® SmartCard**

Options: **G2, ZK, WP, DP** (for SO and SKG only, E1 (PAS24))

|    |    |    |   |    |   |   |   |   |   |    |
|----|----|----|---|----|---|---|---|---|---|----|
| SH | AS | 10 | B | 85 | 1 | A | A | 1 | 3 | G2 |
|----|----|----|---|----|---|---|---|---|---|----|

Item code for the aforementioned example: SHAS10B851AA13G2

PASSIVE SMART CARD TECHNOLOGY

# DIGITAL SMART RELAYS 2 3063

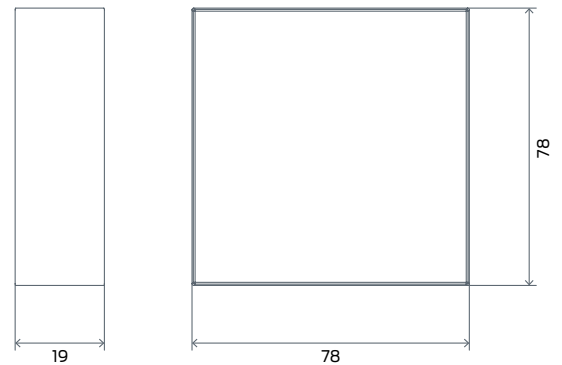


Simons  Voss

# DIGITAL SMART RELAY 2 3063



The digital SmartRelay 2 3063 is an electronic switch that can be switched with an ID medium from SimonsVoss. SmartRelay thus performs the function of an access control reader or a key switch.



Measurements indicated in mm

## // CUSTOMER BENEFITS

- :: Intelligent additional component for locking devices
- :: User-friendly operation with transponder technology
- :: Versatile application: e.g. for opening doors, gates, barriers or also for switching light and machines
- :: Connection to external systems, e.g. time recording or canteen accounting
- :: Instantly wireless network-ready

## // TECHNICAL SPECIFICATIONS

- :: Housing made of white polyamide 6.6
- Dimensions: 78 x 78 x 19 mm (H x W x D)
- Semi-transparent base plate
- :: Standard protection rating IP 20, IP 65 as WP variant
- :: Air 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)
- :: Mains voltage: 9–24 VDC
- :: Power limitation: Mains adapter must be limited to 15 VA
- :: 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, NO 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 VA
- ∴ Multi-function connections F1, F2, F3: max. 24 VDC, max. 50 mA
- ∴ Loggable access events: 3,600 access events can be logged, 200 access events as gateway
- ∴ Time zone groups: 100
- ∴ Number of ID media which can be managed per locking cylinder: up to 64,000
- ∴ Networking capability: Network-ready with integrated LockNode (WNM.LN.I.SREL2.G2) or via external LockNode with added door monitoring function

// PRODUCT VERSIONS

DIGITAL SMARTRELAY 2

|   |                   |
|---|-------------------|
| Digital SmartRelay 2 3063: Version in white housing, for transponders (active), with access control, time zone control and event logging. Relay contact as NO contact (reversible to break contact); with serial port and the option of triggering the SREL2 through an external circuit (potential-free NO contact); can only be operated with direct current (9 to 24 VDC); can be directly networked with integrated LockNode WNM.LN.I.SREL2.G2 (must be ordered separately); with connection available for an external antenna (SREL.AV); designed to also house an internal MIFARE® card reader and able to connect one or two additional external MIFARE® card readers (readers ordered separately) | SREL2.ZK.MH.G2.W  |
| SmartCard reader, inside: For plugging into the internal relay board in SmartRelay 2 for SmartCards/SmartTags (SREL2.ZK.MH.G2.W); for use with MIFARE® Classic, MIFARE Plus® and MIFARE® DESFire® SmartCards/SmartTags  | SC.M.I.G2         |
| SmartCard reader, external, for installation in non-secured areas; connection to SmartRelay 2 for SmartCards/SmartTags (SREL2.ZK.MH.G2.W) via cable (not included in supply package; recommended cable type: Cat.5; SmartRelay 2 operated with MIFARE® Classic, MIFARE Plus® or MIFARE® DESFire® SmartCards/SmartTags   | SC.M.E.G2.W       |
| <b>ACCESSORIES</b>  |                   |
| Weatherproof version for external readers, including connection cable (about 1 m long), IP65  | .WP               |
| Protective housing for SmartRelay 2 and its external reader for outdoor use   | SREL2.COVER1      |
| External antenna for connecting to all SmartRelay 2 versions (cable 5 m long)   | SREL.AV           |
| <b>DIRECT NETWORKING</b>  |                   |
| LockNode to be integrated into the SmartRelay housing for direct networking of SmartRelay 2 3063 with auto-configuration (can be retrofitted)   | WNM.LN.I.SREL2.G2 |

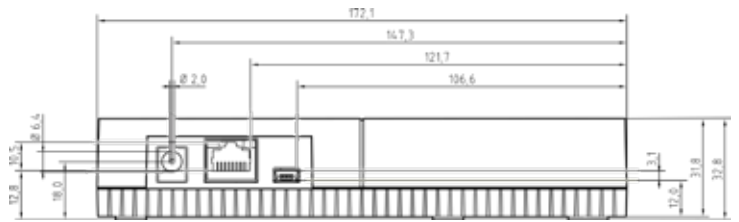
SMARTCARD TECHNOLOGY

# DIGITAL SMART RELAY 3 ADVANCED



# DIGITAL SMART RELAY 3 ADVANCED CONTROLLER

The SmartRelay 3 Advanced is a high-performance control unit consisting of a controller and up to three readers. Installed in a virtual network, it acts as a high-performance gateway, transmitting access rights and modified configurations to identification media. Up to three external readers can be connected, which can be ordered for active (transponder) and / or passive identification media (SmartCard). A fast IP connection via Ethernet (including PoE) ensures instant transmission and updates, even for larger data volumes.



Measurements indicated in mm

## // ADVANTAGES

- :: Intelligent networked control unit for expanding any locking system
- :: High-performance gateway in the virtual network (transfer of updated access rights to identification media)
- :: Immediate transmission even of large amounts of data via Ethernet (PoE-capable)
- :: Control e.g. of sliding doors, barriers, roller shutters
- :: Access logging differentiated according to readers
- :: Connection of up to three external hybrid readers with optical and acoustic signalling
- :: Three digital inputs for various applications, such as door monitoring with external sensors
- :: Possibility of connection to third-party systems, e.g. time recording
- :: Any combination of all types of networking in a locking system (offline, virtual networking, online)
- :: Expansion by up to 116 relay outputs with the Smart Output Module MOD.SOM8 (optionally available)

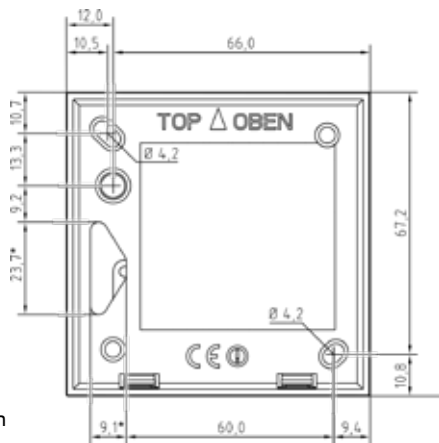
## // TECHNICAL SPECIFICATIONS

### Controller

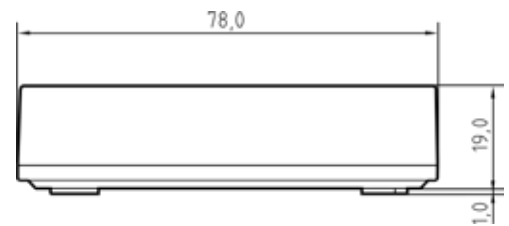
- :: Basic version (SREL3.CTR.ADV.G2),  
Basic version with access control, time zone control and event logging, (SREL3.CTR.ADV.ZK.G2)
- :: Dimensions [L x W x H]: 172 x 86 x 33 mm
- :: colour: RAL 9016 traffic white
- :: Housing: Plastic (ABS)
- :: Power supply: 9 - 32 VDC, max. 200 mA.  
Via round plug 5.5 mm or screw terminals on the board, alternatively PoE (IEEE 802.3af)
- :: Interface/connections
  - :: RS485 (3x reader connection)
  - :: TCP/IP (network connection)
  - :: USB (initial programming)
  - :: 1x relay output (potential-free changeover contact)
  - :: Serial interface for connection to third-party systems
  - :: 3 digital inputs (1 x push-button input for door opening),  
2 x e.g. for door contact)
- :: Standard protection rating IP20
- :: Signalling: Visual (LED – RGB)
- :: Temperature range: Operational: –25 °C to +60 °C
- :: Humidity: max. 90%, non-condensing



# DIGITAL SMART RELAY 3 ADVANCED READER



\* not with  
WP version



Measurements indicated in mm



## // TECHNICAL SPECIFICATIONS

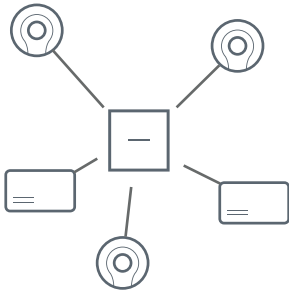
### Reader

- :: External reader (SREL3.EXT.G2.W),  
External reader as weatherproof version (SREL3.EXT.G2.W.WP)
- :: Dimensions (L x W x H) approx. 78 x 78 x 19 mm
- :: Colour: RAL 9016 traffic white
- :: Housing: Plastic (ABS)
- :: Power supply: Via the controller or alternatively via external power supply unit
- :: Interface/connections
  - :: RS485: Connection to controller (recommended cable length: up to 150m, Cat5 or higher)
  - :: Active transponder technology (25 kHz, range 0-60 cm)
  - :: RFID (13.56 MHz, range 0-15 mm) - Supported cards-templates: MIFARE® Classic and MIFARE® DESFire® EV1/EV2
  - :: Power supply
- :: Standard protection rating IP20, IP65 for weatherproof version
- :: Signalling: Visual (LED – RGB), acoustic (buzzer)
- :: Temperature range: Operational: –25 °C to +60 °C
- :: Humidity: max. 90%, non-condensing

# DIGITAL SMART RELAY 3 ADVANCED



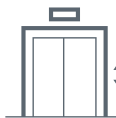
## // EXAMPLES OF USE



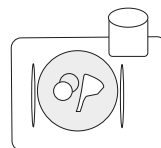
**Virtual network**  
booking station for  
updating access rights



**Circuit** e.g. from  
Doors, barriers, rolling gates  
and garage doors



**Elevator control**  
Individual access  
authorisations for floors



**Connection to third-party  
systems** such as a canteen  
billing system via the serial  
interface

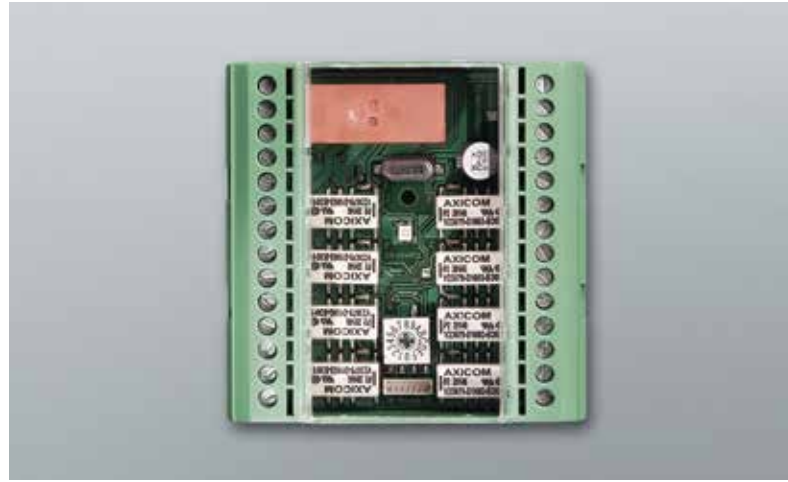
DIGITAL  
SMARTRELAY 3 ADVANCED



// PRODUCT VERSIONS

| Description  | Order code          |
|--|---------------------|
| <b>DIGITAL SMART RELAY 3 ADVANCED</b>  |                     |
| SmartRelay 3 Advanced Controller Base Unit; can be used as a gateway in a virtual network, TCP/IP interface, PoE, USB and RS-485 port, up to 3 external readers can be connected; one relay output; MOD.SOM8 can be connected  | SREL3.CTR.ADV.G2    |
| SmartRelay 3 Advanced Controller Base Unit with access control, time zone management and events logging; can be used as a gateway in a virtual network, TCP/IP interface, PoE, USB and RS-485 port, up to 3 external readers can be connected; one relay output; MOD.SOM8 can be connected | SREL3.CTR.ADV.ZK.G2 |
| External reader in white housing to install in a non-secured area; connection to SmartRelay 3 Advanced Controller Base Unit via RS-485 cable (not included in supply package)  | SREL3.EXT.G2.W      |
| Extra charge for weatherproof external reader for SmartRelay 3 Advanced, including connecting cable (about 2 m long), IP65   | .WP                 |
| SmartOutput module: Additional module for Advanced models with 8 relay outputs which can be switched via a control unit using transponders/SmartCards. Cable connection to controller RS 485 (not included in package)   | MOD.SOM8            |
| Protective housing: both for the SmartRelay2 and its external reader as well as for the external reader of the SmartRelay 3 Advanced   | SREL2.COVER1        |

# DIGITAL SMART OUTPUT MODULE



The Smart Output Module has eight isolated relay outputs and is connected to SmartRelay 3 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)
- ⌘ Standard protection rating IP20; not suitable for unprotected use outdoors
- ⌘ Temperature range: Operational 0 °C to +60 °C  
Storage: 0 °C to +70 °C
- ⌘ Air humidity: < 90 % without condensation
- ⌘ Mains voltage: 11 to 15 VDC, recommended 12 VDC, regulated
- ⌘ Power limitation: Mains adapter must be limited to 15 VA
- ⌘ Standby current: < 120 mA
- ⌘ Max. current: < 150 mA
- ⌘ Pulse duration can be programmed between 0.1 and 25.5 sec.
- ⌘ Output relay type: normally opened
- ⌘ 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 power: 10<sup>6</sup> activations at 24 VA
- ⌘ 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. 1 VA
- ⌘ Output 1 switching behaviour when voltage below target:  
U<sub>v</sub> < 10,5 +/- 0.5 V
- ⌘ Up to 16 modules for up to 128 floors  
can be managed by each SmartRelay Advanced
- ⌘ Up to 15 modules for up to 116 floors can be managed by each  
SmartRelay 3 Advanced

## // PRODUCT VERSIONS

### Smart Output Module

Additional module for Advanced models with 8 relay outputs that can be switched via a control unit via transponder/smart card. Cable connection to controller RS-485 (not included in package)

MOD.SOM8

PASSIVE SMARTCARD TECHNOLOGY

# OTHER PRODUCTS



## DIGITAL PADLOCKS



### // TECHNICAL SPECIFICATIONS PADLOCK: WITH A SHACKLE DIAMETER OF 8 MM

- ⌘ Dimensions Lock without cylinder thumb-turn and without shackle  
51 x 70 x 25 mm (WxHxD)
- ⌘ Shackle internal height: 25 mm or 60 mm (manual locking or self-locking respectively)
- ⌘ Housing protection class: Class 3 as per EN 12320
- ⌘ Standard protection rating IP 66
- ⌘ Battery type: 2x CR2450 3V lithium,
- ⌘ Battery life:  
Up to 300,000 lock operations or 10 years on standby
- ⌘ Temperature range:  
Operational: -25°C to +55°C  
In storage (temporary): -45°C to +70°C  
In storage (long-term): 0°C to +30°C
- ⌘ Up to 3,000 access events can be stored
- ⌘ Time zone groups: 100
- ⌘ Up to 64,000 transponders can be administered per padlock
- ⌘ Up to 304,000 transponders per locking device can be managed
- ⌘ Network-ready with integrated LockNode
- ⌘ Freely configurable

### // TECHNICAL SPECIFICATIONS PADLOCK: WITH A SHACKLE DIAMETER OF 11 MM

- ⌘ Dimensions Lock without cylinder thumb-turn and without shackle  
60 x 72.5 x 25 mm (WxHxD)
- ⌘ Shackle internal height:  
35 mm (manually locking),  
50 mm (self locking)
- ⌘ Housing protection class: Class 4 as per EN 12320
- ⌘ Standard protection rating IP 66
- ⌘ Battery type: 2x CR2450 3V lithium,
- ⌘ Battery life:  
Up to 300,000 lock operations or 10 years on standby
- ⌘ Temperature range:  
Operational: -25°C to +55°C  
In storage (temporary): -45°C to +70°C  
In storage (long-term): 0°C to +30°C
- ⌘ Up to 3,000 access events can be stored
- ⌘ Time zone groups: 100
- ⌘ Up to 64,000 transponders can be administered per padlock
- ⌘ Up to 304,000 transponders per locking device can be managed
- ⌘ Network-ready with integrated LockNode
- ⌘ Freely configurable

DIGITAL  
PADLOCK



// PRODUCT VERSIONS

**DIGITAL PADLOCKS – SC – SHACKLE DIAMETER OF 8 MM**

|  |                              |
|--|------------------------------|
| Padlock MIFARE®; internal shackle height: 25 mm                              | Z4.PL.08.25.MP.ML.WP.G2      |
| Padlock MIFARE®, inside shackle height: 25 mm; with ZK function              | Z4.PL.08.25.MP.ML.WP.ZK.G2   |
| Padlock MIFARE®; internal shackle height: 25 mm, self locking                | Z4.PL.08.25. MP. SL.WP.G2    |
| Padlock MIFARE®, inside shackle height: 25 mm; self-locking with ZK function | Z4.PL.08.25. MP. SL.WP.ZK.G2 |
| Padlock MIFARE®; internal shackle height: 60 mm                              | Z4.PL.08.60. MP. ML.WP.G2    |
| Padlock MIFARE®, inside shackle height: 60 mm; with ZK function              | Z4.PL.08.60. MP. ML.WP.ZK.G2 |
| Padlock MIFARE®; internal shackle height: 60 mm, self locking                | Z4.PL.08.60. MP. SL.WP.G2    |
| Padlock MIFARE®, inside shackle height: 60 mm; self-locking with ZK function | Z4.PL.08.60. MP. SL.WP.ZK.G2 |

**DIGITAL PADLOCKS – SC – SHACKLE DIAMETER OF 11 MM**

|  |                              |
|--|------------------------------|
| Padlock MIFARE®; internal shackle height: 35 mm                              | Z4.PL.11.35. MP. ML.WP.G2    |
| Padlock MIFARE®, inside shackle height: 35 mm; with ZK function              | Z4.PL.11.35. MP. ML.WP.ZK.G2 |
| Padlock MIFARE®; internal shackle height: 50 mm, self locking                | Z4.PL.11.50. MP. SL.WP.G2    |
| Padlock MIFARE®, inside shackle height: 50 mm; self-locking with ZK function | Z4.PL.11.50. MP. SL.WP.ZK.G2 |

**ACCESSORIES**

|   |                  |
|---|------------------|
| Securing chain for padlocks, 11 mm shackle diameter, length about 30 cm | PL.CHAIN.11.30   |
| Securing chain for padlocks, 8 mm shackle diameter, length about 30 cm  | PL.CHAIN.08.30   |
| Wall bracket for securing chain   | PL.CHAIN.BRACKET |

# HYBRID TECHNOLOGY







**Voss**  
Technologies

HYBRID TECHNOLOGY

# ACTIVE IDENTIFICATION MEDIA – TRANSPONDER

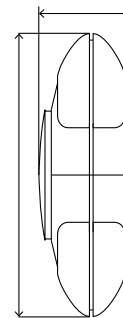


## TRANSPONDER 3064



Blue, red or brown, with bonded housing or consecutive numbering. There are virtually no limits to the variety of possible types of transponders: a password or fire service transponder, an explosion-proof design or one with an additional chip. Manage an incredible 304,000 locking devices with your transponder and open doors and gates up to a million times with a single battery.

The transponder is used for identification in System 3060 to operate digital locking cylinders, SmartHandles and SmartRelays.



Measurements indicated in mm

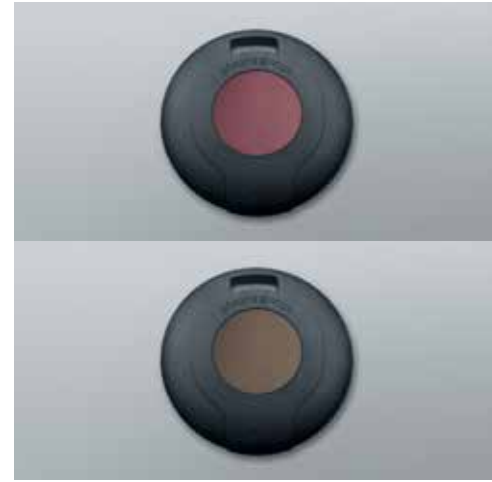
### // TECHNICAL SPECIFICATIONS

- ⌘ Housing made of black polyamide
- ⌘ Dimensions: 42 x 13.7 mm (Ø x H)
- ⌘ Standard protection rating IP65; with bonded housing: IP 66
- ⌘ Typical read range: up to 40 cm to the locking cylinder/ SmartHandle; up to 120 cm to Smart Relay
- ⌘ Battery type: 1 x CR2032 3V, lithium
- ⌘ Battery life:
  - up to 400,000 operations or
  - up to ten years on standby
- ⌘ Temperature range: -25 °C to +65 °C
- ⌘ Environmental class: III
- ⌘ Number of locking devices that can be managed per transponder:
  - Up to 304,000
- ⌘ Adjustable validity period (activation/deactivation):
  - more than 10 years
- ⌘ Storage of datasets:
  - 3 G1 and 4 G2 locking systems
- ⌘ Physical access list with up to 1,000 storable access events

## TRANSPONDER 3064

Transponder 3064 with dark red button

Transponder 3064 with brown button



### // PRODUCT VERSIONS

|   |                 |
|---|-----------------|
| Transponder 3064<br>with G2 functions as identification medium in Digital Locking System 3060; in a robust housing with blue button,<br>42 mm in diameter, protection rating IP65 | TRA2.G2         |
| Version with dark red button  | .RED            |
| Version with brown button (available as G2 version only)  | .BRAUN          |
| Version with consecutive numbering as per customer requirements.<br>up to six alpha-numerical characters possible; minimum order of 100 devices                                   | .NR.K           |
| Version with bonded housing   | .SPEZ           |
| Version for fire service key tube with G2 functions; a minimum inner diameter of 33 mm  | TRA.G2.FSR      |
| Switching transponder featuring G2 functions with two connection wires<br>used to connect transponder to an isolated contact on an external device                                | TRA2.G2.SCHALT  |
| Version with additional EM® 4102 RFID inlay<br>(programmed by customer to operate third-party systems)  | .RFID.EM        |
| Version with additional EM® 4450 RFID inlay<br>(programmed by customer to operate third-party systems)  | .RFID.EM4450    |
| Version with additional HITAG® 1 RFID inlay<br>(programmed by customer to operate third-party systems)  | .RFID.HITAG     |
| Version with additional HITAG® 2 RFID inlay<br>(programmed by customer to operate third-party systems)  | .RFID.HITAG2    |
| Version with additional ATMEL® ATA5567 RFID inlay<br>(programmed by customer to operate third-party systems)  | .RFID.AT5567    |
| Version with additional HID® 1390 eProx RFID inlay<br>(programmed by customer to operate third-party systems)   | .RFID.HID       |
| Version with additional MIFARE® Classic (1k) RFID inlay<br>(programmed by customer to operate third-party systems)  | .RFID.MIFARE    |
| Version with additional MIFARE® DESFire® (8k) RFID inlay<br>(programmed by customer to operate third-party systems)   | .RFID.DESFIRE8K |

## TRANSPONDER 3064

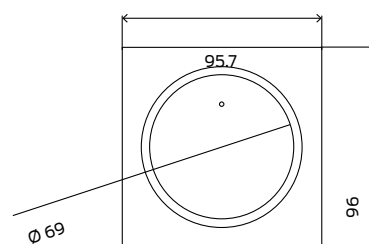
|   |                      |
|---|----------------------|
| Version with additional LEGIC® PRIME (MIM256) RFID inlay<br>(programmed by customer to operate third-party systems)                   | .RFID.LEGIC          |
| Version with additional LEGIC® PRIME (MIM1024) RFID inlay<br>(programmed by customer to operate third-party systems)                  | .RFID.LEGIC1024      |
| Version with additional LEGIC® Advant (128) RFID inlay<br>(programmed by customer to operate third-party systems)                     | .RFID.ADVANT         |
| Version with additional LEGIC® Advant (1024) RFID inlay<br>(programmed by customer to operate third-party systems)                    | .RFID.ADVANT1024     |
| Version with additional LEGIC® Advant (4096) RFID inlay<br>(programmed by customer to operate third-party systems)                    | .RFID.<br>ADVANT4096 |
| 10 lanyards<br>High-quality transponder cord in a SimonsVoss design to hang around neck,<br>with a metal clip to attach a transponder | TRA.BAND             |
| 5 transponder casings with blue button without electronics  | TRA.GH               |
| 5 transponder housing with dark red button without electronics  | TRA.GH.ROT           |
| 5 transponder casings with brown button without electronics   | TRA.GH.BRAUN         |
| 5 batteries for transponder (type: CR2032)  | TRA.BAT              |

# PIN CODE KEYPAD 3068 PIN CODE TERMINAL 3068



Open your doors using a 4- to 8-digit code. You can install the ultra-slim PIN code keypad both indoors and outdoors and even attach it to glass. No wiring is required. Save time and costs by issuing a special code for the entrance door for events such as seminars and evening meetings.

You can achieve even greater security with the PIN code terminal, which can also be combined with the use of a transponder when the number combination is entered.



Measurements indicated in mm



## // TECHNICAL SPECIFICATIONS PIN CODE KEYPAD/TERMINAL 3068

- ⌘ Silver-coloured ABS plastic housing
- ⌘ Dimensions: 96 x 95.7 x 14 mm (H x W x D)
- ⌘ Weight: about 100 g including batteries
- ⌘ Standard protection rating IP 65
- ⌘ Typical read range: up to 40 cm to the locking cylinder/ SmartHandle; up to 120 cm to Smart Relay
- ⌘ Battery type: 2 x CR2032, 3 V, lithium
- ⌘ Battery life: up to 100,000 operations or up to ten years on standby
- ⌘ 2-level battery warning system
- ⌘ Temperature range: -25 °C to +65 °C
- ⌘ Manipulation alarm
- ⌘ Activation of the SimonsVoss activation unit
- ⌘ Number of keypad users: 3 different PINs  
User number terminal: 500 different PINs
- ⌘ Cable-free surface mount
- ⌘ Received the IF Product Design Award 2006

## // PRODUCT VERSIONS

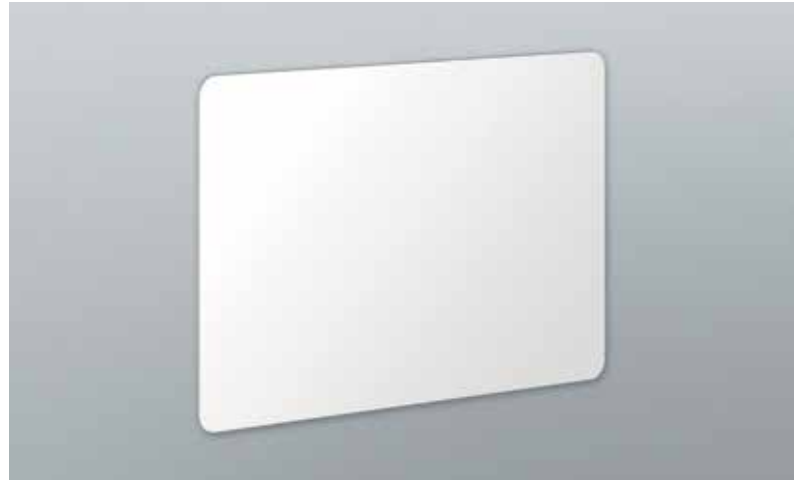
|  |                 |
|--|-----------------|
| PIN code keypad 3068 Battery-operated, wiring-free PIN code keypad as an identification medium in Digital Locking System 3060, 3 different PINs, silver-coloured ABS plastic housing, protection rating IP65                   | TRA.PINCODE     |
| PIN Code Terminal 3068 (for G2 systems) Battery-operated, wireless PIN code terminal as identification medium in Digital Locking System 3060, 500 different users, silver-coloured ABS plastic housing, protection rating IP65 | TRA.PC.TERMINAL |
| 5 batteries for PIN code keypad and PIN code terminal (type: CR 2032)  | TRA.BAT         |

HYBRID TECHNOLOGY

# PASSIVE IDENTIFICATION MEDIA – SMART CARDS/SMART TAGS



# SMART CARDS SMART TAGS



SimonsVoss has introduced purely passive components in addition to its time-tested active technology and hybrid versions. These components can be addressed using SmartCards/ SmartTags (MIFARE® Classic and MIFARE® DESFire®). There is also the option of using existing cards in System 3060.



## // TECHNICAL SPECIFICATIONS

- :: ISO 7816 format
- :: Colour white (SmartCards unprinted, SmartTags with SimonsVoss logo)

## // PRODUCT VERSIONS

### SMART CARDS MIFARE® CLASSIC

|  |                  |
|--|------------------|
| MIFARE® Classic SmartCard, 1k memory, white; contains: 5 units   | TRA.MIFARE1K.5   |
| MIFARE® Classic SmartCard, 1k memory, white; contains: 100 units | TRA.MIFARE1K.100 |
| MIFARE® Classic SmartCard, 4k memory, white; contains: 5 units   | TRA.MIFARE4K.5   |
| MIFARE® Classic SmartCard, 4k memory, white; contains: 100 units | TRA.MIFARE4K.100 |

### SMART CARDS MIFARE® DESFIRE® EV1

|   |                   |
|---|-------------------|
| MIFARE® DESFire® EV1 SmartCard, 8k memory, white; contains: 5 units   | TRA.DESFIRE8K.5   |
| MIFARE® DESFire® EV1 SmartCard, 8k memory, white; contains: 100 units | TRA.DESFIRE8K.100 |

### SMART TAGS MIFARE® CLASSIC

|  |                      |
|--|----------------------|
| MIFARE® Classic SmartTag, 1k memory, black/white with SimonsVoss logo; contains: 5 units   | TRA.TAG.MIFARE1K.5   |
| MIFARE® Classic SmartTag, 1k memory, black/white with SimonsVoss logo; contains: 100 units | TRA.TAG.MIFARE1K.100 |
| MIFARE® Classic SmartTag, 4k memory, black/white with SimonsVoss logo; contains: 5 units   | TRA.TAG.MIFARE4K.5   |
| MIFARE® Classic SmartTag, 4k memory, black/white with SimonsVoss logo; contains: 100 units | TRA.TAG.MIFARE4K.100 |

### SMART TAGS MIFARE® DESFIRE® EV2

|   |                       |
|---|-----------------------|
| MIFARE® DESFire® EV2 SmartTag, 8k memory, black/white with SimonsVoss logo; contains: 5 units   | TRA.TAG.DESFIRE8K.5   |
| MIFARE® DESFire® EV2 SmartTag, 8k memory, black/white with SimonsVoss logo; contains: 100 units | TRA.TAG.DESFIRE8K.100 |



# COMPACT READER 3078



The Compact Reader allows any active System 3060 G2 locking component to be extended for use with wireless MIFARE® Classic and MIFARE® DESFire® SmartCards.

Thanks to its very compact and attractive design, it can be attached to any door with either adhesive pads or two screws.



## // TECHNICAL SPECIFICATIONS

- ⌘ Silver or white ASA plastic housing
- ⌘ Dimensions: 89.22 x 38.06 x 12.90 mm (H x W x D)
- ⌘ Weight: about 45 g including battery
- ⌘ .WP protection rating version: IP65 (only when bonded)
- ⌘ Supports MIFARE® Classic and MIFARE® DESFire® Medien
- ⌘ Typical read range: up to 30 cm to the locking cylinder/SmartHandle; up to 60 cm to Smart Relay
- ⌘ Battery type: 2 x CR2450, 3 V, lithium
- ⌘ Battery life: up to 80,000 operations\* or up to six years on standby
- ⌘ Temperature range: -20 °C to +50 °C
- ⌘ Visual feedback signal from blue/red LED
- ⌘ Blue/red LED indicates battery warning levels 1 and 2, the locking devices are only addressed with delays of different lengths
- ⌘ LockNode for direct networking Compact Reader
- ⌘ 100 time zone groups
- ⌘ Up to 64,000 transponders can be managed per Compact Reader (depending on the locking system configuration)
- ⌘ Up to 32,000 locking devices can be managed per SmartCard (depending on available memory on the SmartCard and the locking system configuration)
- ⌘ The locking device can still be opened with an authorised transponder even when the CompactReader batteries are completely flat
- ⌘ Cable-free surface mount

\* If with access event logging on the SmartCard: up to 60,000 activations.

## // PRODUCT VERSIONS

|  |                 |
|--|-----------------|
| Compact Reader 3078 translator from passive reader technology to active radio technology. Operated with contactless SmartCards/SmartTags based on MIFARE® Classic, MIFARE Plus® and MIFARE® DESFire®; in silver housing, for indoors | TRA.CR.MIFARE   |
| Version in white housing   | TRA.CR.MIFARE.W |
| Version for outdoor areas (weatherproof design)  | .WP             |
| With integrated LockNode for direct networking, auto-configuration (cannot be retrofit)  | .WNM            |

HYBRID TECHNOLOGY

# DIGITAL LOCKING CYLINDER 3061 – HYBRID

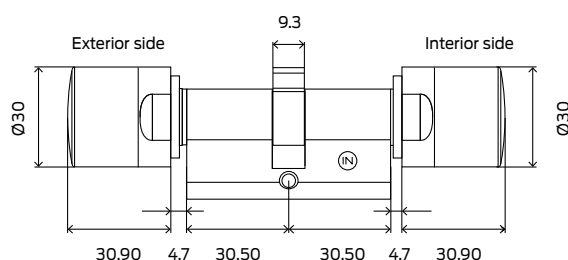


# DIGITAL EURO PROFILE DOUBLE THUMB-TURN CYLINDER 3061 – HYBRID



Digital locking cylinder – Hybrid with enclosed electronics assembly as per DIN 18252 / DIN EN 15684 / EN 1303

- ⌘ Can be operated with transponders and MIFARE® cards
- ⌘ MIFARE® Classic and DESFire®
- ⌘ Freely rotating on both sides – Reader internal and outside
- ⌘ Time zone management and event logging
- ⌘ Versions with IP66 weather protection rating
- ⌘ Upgrade for direct networking



Measurements indicated in mm

The options are endless whether you use direct or virtual networking, active or passive cards, worldwide cable-free networking in SimonsVoss WaveNet or a combination with existing SimonsVoss systems.

All versions of the renowned MIFARE® Classic ID card and cards based on MIFARE Plus® or MIFARE® DESFire® technology can be read. The new cylinder is no bigger than a well-known digital locking cylinder and is powered in the same way using standard button cells.

## // TECHNICAL SPECIFICATIONS

- ⌘ Standard Euro Profile cylinder as per DIN 18252/ EN 1303/ DIN EN 15684
- ⌘ Thumb-turn diameter: 30 mm
- ⌘ Basic installation length: 30-30 mm (external/internal dimension)
- ⌘ Overall length: up to 140 mm (max. 90 mm on one side), special lengths on request
- ⌘ Standard protection rating Standard protection rating IP54; WP version; IP 66
- ⌘ Battery type: 4 x lithium, CR2450, 3 V
- ⌘ Battery life: up to 130,000 locking operations or up to ten years on standby
- ⌘ Temperature range: Operational -25 °C to +65 °C
- ⌘ Audible feedback signal from a buzzer
- ⌘ Visual feedback signal from blue/red LED (only when activated using a SmartCard)

- ⌘ Buzzer and blue/red LED indicates battery warning levels 1 and 2, the locking devices are only addressed with delays of different lengths
- ⌘ 3,000 access events can be logged
- ⌘ 100 time zone groups
- ⌘ Up to 64,000 transponders can be managed per locking device
- ⌘ Up to 64,000 SmartCards can be managed per locking device (depending on the locking system configuration)
- ⌘ Up to 304,000 lock operations can be managed per transponder
- ⌘ Up to 32,000 locks can be managed per SmartCard (depending on available memory on the SmartCard and the locking system configuration)
- ⌘ Network-ready with integrated LockNode (Network thumb-turn cover WNM.LN.I)
- ⌘ Freely configurable

\*Up to 60,000 actuations with access logging on the SmartCard

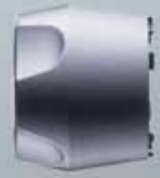
DIGITAL EURO PROFILE  
DOUBLE THUMB-TURN CYLINDER  
3061 – HYBRID

// PRODUCT VERSIONS

|   |                        |
|---|------------------------|
| <p>Digital Euro Profile Double Thumb-Turn Cylinder 3061 – Hybrid with G2 functions<br/>Freely rotating digital locking cylinder, installation length 30-30 mm, stainless steel design, dimensions as per DIN 18252, internal power supply, rotary thumb-turn on both sides; locking device can be operated with transponders from inside and outside; on the outside, the cylinder can also read SmartCards/SmartTags featuring MIFARE® Classic and MIFARE® DESFire EV1/EV2 technology; no cabling necessary;</p> | Z4.30-30.MH.FD.G2      |
| Brass version   | .MS                    |
| Version with access control, time zone control and event logging  | .ZK                    |
| Version with button control (can be operated from internal without transponder)   | .TS                    |
| Version with VdS approval, Class AZ, SKG approval SKG 3 stars, not with ZK  | .SKG                   |
| Version in VdS design; with access control, time zone control and event logging, VdS class BZ approval, SKG approval SKG 3 stars ; can be used together with block lock function in a suitable installation up to class VdS C/SG 6  | .ZK.VDS                |
| Multi-point version<br>For use in doors with multi-point locks, from installation length 35-30 mm   | .MR                    |
| Fire-retardant version for use in steel and fire doors (electronic thumb-turn only with .MR)  | .FH                    |
| Weatherproof version, protection class IP 66, for use in external doors and doors exposed to strong splash water, from 30-35 mm overall length, not in combination with TS  | .WP                    |
| Network thumb-turn cover for direct networking, stainless steel design, autoconfiguration   | WNM.LN.I               |
| <b>INSTALLATION LENGTHS (all length specifications: external – internal)</b>  |                        |
| Overall length from 65 mm to 80 mm  | e.g. Z4.40-40.MH.FD.G2 |
| Overall length from 85 mm to 100 mm (max. 90 mm on one side)  | e.g. Z4.40-60.MH.FD.G2 |
| Overall length over 100 mm up to max. 140 mm (max. 90 mm on one side)   | e.g. Z4.65-75.MH.FD.G2 |
| Overall length over 140 mm or over 90 mm on one side  | On request             |
| <b>DIRECT NETWORKING</b>  |                        |
| Network Thumb-Turn Cover for direct networking; stainless steel design; version for auto-configuration; also suitable for retrofit  | WNM.LN.I               |
| Brass version   | .MS                    |
| Network thumb-turn cover for direct networking in the design of Z4.KNAUF7 (stainless steel, diameter 35 mm, for difficult-to-open doors), version for auto-configuration, also suitable for retrofitting  | WNM.LN.I.KNAUF7        |
| Network Thumb-Turn Cover for direct networking in Z4.KNAUF12 design (stainless steel; high-gloss, polished V4A); auto-configuration version; also suitable for retrofit   | WNM.LN.I.KNAUF12       |

# DIGITAL LOCKING CYLINDER 3061 – HYBRID THUMB-TURNS & ACCESSORIES

Thumb-turn for difficult-to-open doors  
(Z4.KNAUF3)



Silver-coloured composite  
thumb-turn (Z4.KNAUF9)



## // PRODUCT VERSIONS

### THUMB-TURN COVERS FOR THE MASTER ELECTRONICS SIDE OF CYLINDERS

|   |            |
|---|------------|
| plastic, diameter 35 mm, only suitable for FD - Hybrid, for heavy doors   | Z4.KNAUF3  |
| Thumb-turn made of stainless steel, diameter 35 mm, with recessed grip rings for increased grip, suitable for HZ/SO/SR/BO.CO                    | Z4.KNAUF7  |
| In TN4 design, silver plastic, diameter 30 mm, suitable for low signal strengths  | Z4.KNAUF9  |
| Thumb-turn cover for electronics side of cylinder, stainless steel V4A high-gloss polished, diameter 35 mm, for seawater resistant applications | Z4.KNAUF12 |
| Thumb-turn for electronics side of cylinder, without logo, stainless steel V4A, diameter 30 mm, for seawater resistant applications             | Z4.KNAUF14 |
| TN4 cover for electronic side of the cylinder   | Z4.KAPPE1  |

### ACCESSORIES

|  |               |
|--|---------------|
| Installation/battery key: special tool for disassembly and for replacing batteries (button cells) in TN4 cylinders | Z4.SCHLUESSEL |
| 10 batteries for SmartHandles and TN4 cylinders (double thumb-turn and half cylinders) (type: CR2450)              | Z4.BAT.SET    |
| 2 core protection adapters for freely rotating SC cylinders, 8 mm extension  | Z4.MP.KA.SET  |
| 2 core protection adapters for SC cylinders VdS/SKG, 8 mm extension  | Z4.MP.KA.SET2 |

HYBRID TECHNOLOGY

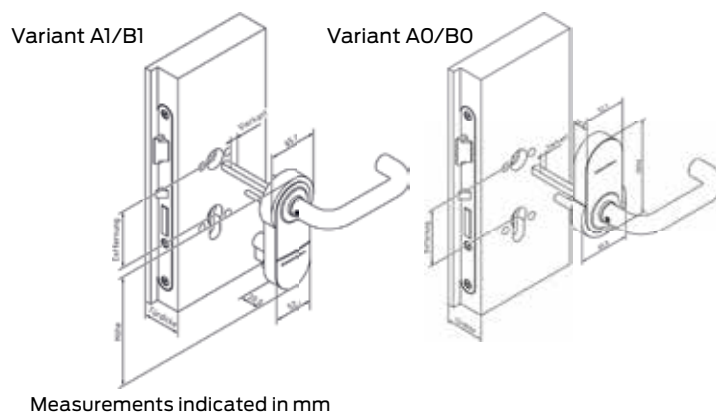
# DIGITAL SMART HANDLES AX – HYBRID



## DIGITAL SMART HANDLE AX – HYBRID



Is it possible to make something good even better? Yes, it is! Our new generation of SmartHandles is unfailingly based on our users' needs and sets new standards in the process. SimonsVoss introduces a new level of intelligence, security and convenience to doors with SmartHandle AX thanks to a modular structure, a wealth of variants and innovative functions such as BLE and Phone2Door (from 2019).



### // ADVANTAGES

- :: Battery life: up to 300,000 lock operations or up to 10 years on standby (active). up to 200,000 lock operations or up to 10 years on standby (passive).
- :: Room for beauty: with its characteristic, adaptive design, the AX fitting can be combined with standard handles by renowned manufacturers.
- :: Provide a flexible response to any situation on site: SmartHandle AX can be adapted to the spindle, door thickness and centres distance. The handle itself can be mounted on the left or right.
- :: Made in Germany. A given for us. The SmartHandle AX has been proven to function continuously for 1 million cycles. (DIN EN 1906)
- :: You can add online or extra functions such as DoorMonitoring at a later stage. Future-proof investment forms part of the SimonsVoss promise.
- :: Operational reliability is crucial. That's why we have invested in mechanical and electronic quality and stability with the AX fitting. SmartHandle AX features extremely precise handle clearance.
- :: Security on the AX platform: we are not satisfied until everything is secure. Intrinsic Security Architecture (ISA) with its Secure Element forms the centrepiece of SmartHandle AX.
- :: Full backward compatibility and operational reliability: You can even open SmartHandle AX with your first-generation transponder.

### // TECHNICAL SPECIFICATIONS

- :: Variants: Euro Profile Cylinder Swiss Round
- :: Dimensions (W x H x D):  
Variant A0/B0: 66 x 120 x 21 mm  
Variant A1/B1: 66 x 140 x 21 mm  
Variant A2/B2: 65 x 174 x 21 mm
- :: Reader type:  
Active transponder technology  
Passive (MIFARE® Classic und DESFire®), Hybrid, BLE ready
- :: Operating modes: Online, virtual. network and offline (can be combined)
- :: Battery type: 4x CR2450, 3 V, lithium.
- :: Battery life: Up to 300,000 lock operations or up to 10 years on standby (active). up to 200,000 lock operations or up to 10 years on standby (passive).
- :: Temperature range: Operational: -25°C to +50°C  
In storage (temporary): -40°C to +50°C  
In storage (long-term): 0°C to +30°C
- :: IP code: IP40
- :: Feedback signals: Audible (buzzer), visual (LED – green/red)
- :: Loggable access events: Up to 3,000
- :: Time zone groups: 100+1
- :: Number of media that can be managed per SmartHandle AX: up to 64,000
- :: Radio network: Can be networked directly with integrated LockNode (can be retrofitted at any time)
- :: Firmware upgradable

DIGITAL  
SMART HANDLE AX

// BASIC VERSIONS

| Description   | Order code |
|---|------------|
| DIGITAL SMART HANDLE AX   |            |
| <b>PROFILE</b>  |            |
| A0 – Euro Profile cylinder, stationary installation, option for mechanical secondary locking device | A0         |
| A1 – Euro Profile cylinder, suspended installation; for a centres distance between 70 and 79 mm     | A1         |
| A2 – Euro Profile cylinder, suspended installation; for a centres distance between 70 and 110 mm    | A2         |
| B0 – Swiss Round, stationary installation, option for mechanical secondary locking device           | B0         |
| B1 – Swiss Round, suspended installation; for a centres distance between 70 and 79 mm               | B1         |
| B2 – Swiss Round, suspended installation; for a centres distance between 70 and 110 mm              | B2         |



DIGITAL  
SMART HANDLE AX

// OPTIONS

| Description                                       | Order code |
|---|------------|
| <b>OUTSIDE ESCUTCHEON</b>                         |            |
| No escutcheon cover                               | 0          |
| Escutcheon cover without locking cylinder opening | 1          |
| Escutcheon cover with locking cylinder opening    | 2          |
| <b>INSIDE ESCUTCHEON</b>                          |            |
| No escutcheon cover                               | 0          |
| Escutcheon cover without locking cylinder opening | 1          |
| Escutcheon cover with locking cylinder opening    | 2          |
| <b>HANDLE VERSION FOR OUTSIDE</b>                 |            |
| Without handle                                    | 0          |
| L-shaped R (rounded)                              | A          |
| L-shaped G (mitred)                               | B          |
| U-shaped R (rounded)                              | C          |
| U-shaped G (mitred)                               | D          |
| <b>HANDLE VERSION INSIDE</b>                      |            |
| Without handle                                    | 0          |
| L-shaped R (rounded)                              | A          |
| L-shaped G (mitred)                               | B          |
| U-shaped R (rounded)                              | C          |
| U-shaped G (mitred)                               | D          |
| <b>SURFACE FINISH</b>                             |            |
| Silver / black grey                               | 1          |
| Silver / white                                    | 2          |
| Brass / white                                     | 7          |

DIGITAL  
SMART HANDLE AX

| Description   | Order code  |
|---|-------------|
| <b>DOOR THICKNESS</b>   |             |
| 38 – 60 mm  | S           |
| 59 - 80 mm  | M           |
| 79 – 100 mm   | L           |
| 100 - 200 mm  | X           |
| <b>SPINDLE</b>  |             |
| 7 mm  | 07          |
| 8 mm  | 08          |
| 8.5 mm  | 85          |
| 9 mm (the FH option must be ordered in addition for fire doors and emergency exit devices)  | 09          |
| 10 mm   | 10          |
| <b>READER TECHNOLOGY</b> (please indicate Active and MIFARE for Hybrid)   |             |
| Permanently engaged for use (without electronics)   | 0           |
| Active  | A           |
| MIFARE®   | M           |
| <b>OPTIONS</b> (multiple selection possible)  |             |
| G2 technology   | G2          |
| Version with access control, time zone control and event logging  | ZK          |
| Approved for fire-retardant doors and emergency exit devices  | FH          |
| <b>DIRECT NETWORKING</b>  |             |
| LockNode for integration into digital door fittings to directly network SmartHandle AX with auto-configuration (can be retrofitted) | WNM.LN.I.S2 |

DIGITAL  
SMART HANDLE AX

| Description  | Order code          |
|--|---------------------|
| <b>ACCESSORIES</b>   |                     |
| Adapter for installing an FSB handle with ASL or AGL fastening type (observe compatibility list)       | S2.ADAPTERSET.FSB   |
| Adapter for installing a GLUTZ handle (observe compatibility list)                                     | S2.ADAPTERSET.GLUTZ |
| Inside and exterior handles for retrofit; indicate handle variant A, B, C or D and Spindle 7, 8 or 9   | S2.LEVER.x.x        |
| Spindle in S, M, L or X length and 7, 8 or 9 mm in diameter; please indicate length and diameter       | S2.SQUARE.x.x       |
| Cover for Variant A0/B0, black-grey  | S2.COVER.0.SG       |
| Cover for Variant A0/B0, white   | S2.COVER.0.W        |
| Cover for Variant A1/B1, black-grey  | S2.COVER.1.SG       |
| Cover for Variant A1/B1, white   | S2.COVER.1.W        |
| Cover for Variant A2/B2, black-grey  | S2.COVER.2.SG       |
| Cover for Variant A2/B2, white   | S2.COVER.2.W        |
| Sleeve nut for escutcheons, pack of 50   | S2.SLEEVENUT        |
| S,M,L or X) screw set; indicate length (pack of 10)  | S2.SCREW.x          |
| Compensating bushings for Variant A0/B0, 10 bags with 2 x 3 units in each (in three different lengths) | S2.COMPSHELL        |
| Escutcheon cover without locking cylinder opening, for retrofit  | S2.ROSE             |
| Escutcheon cover with locking cylinder opening, for retrofit   | S2.ROSEPZ           |
| Extension sleeve from 8 mm to 8.5 mm in length (10 units)  | SH.HUELSE.8.5       |
| Blank cylinder 15-15 mm for Euro Profile cylinder to seal profile cylinder holes in the door           | BLINDZYLINDER.PZ    |
| Blank cylinder 15-15 mm for Swiss Round to seal profile cylinder holes in the door                     | BLINDZYLINDER.SR    |

DIGITAL  
SMART HANDLE AX  
FOR GLASS DOORS

| Description   | Order code |
|---|------------|
| <b>LOCK CASES TO FIT SMARTHANDLE AX ONTO GLASS DOORS</b>  |            |
| dormakaba Office Junior lock case for glass doors, designed for SmartHandle AX, DIN left, spindle, 8 mm Designed for glass doors with vertical holes at a gap of 80 mm Hole diameter 50 mm (SmartHandle must be ordered separately; only variant A1 is compatible)  | S2GL08A72L |
| dormakaba Office Junior lock case for glass doors, designed for SmartHandle AX, DIN right, spindle, 8 mm Designed for glass doors with vertical holes at a gap of 80 mm Hole diameter 50 mm (SmartHandle must be ordered separately; only variant A1 is compatible) | S2GL08A72R |
| <b>Important information:</b> The glass door fitting manufacturer is dormakaba. Please contact the manufacturer directly for accessories or further information.  |            |
| <b>ACCESSORIES</b>  |            |
| Cover for dormakaba Office Junior lock case for glass doors, designed for SmartHandle AX  | S2GLCOVER  |
| <b>DIRECT NETWORKING FOR DIGITAL SMART HANDLE</b>   |            |
| You can download an order placement guide for Digital SmartHandles from our website at <a href="http://www.simons-voss.com/en">www.simons-voss.com/en</a> under Products in the Value Added Resellers Area.   |            |

# DIGITAL SMART HANDLE AX

COMPOSITION OF THE ITEM NO. SHOWN IN EXAMPLE:

**Identifier for electronic door handle = SV-S2**

Profile: A0 = Euro Profile cylinder, stationary installation

A1 = Euro Profile cylinder, suspended installation, for centres distance 70–79 mm

A2 = Euro Profile cylinder, stationary installation, for centres distance 70-110 mm

A3 = Euro profile cylinder, stationary installation for metal frame doors

B0 = Swiss Round, stationary installation, option for mechanical secondary locking device

B1 = Swiss Round, suspended installation, for centres distance 70–79 mm

B2 = Swiss Round, suspended installation (long), for centres distance 70-110 mm

Outside escutcheon: 0 = none 1 = without locking cylinder opening 2 = with locking cylinder opening

Inside escutcheon: 0 = none 1 = without locking cylinder opening 2 = with locking cylinder opening

Handle variant outside: 0 = without handle

A = L-shaped R (rounded, curved)

B = L-shaped G (mitred)

C = U-shaped R (rounded, curved)

D = U-shaped G (mitred)

Adapter set for third-party handles optional

Handle variant, inside: 0 = without handle

A = L-shaped R (rounded, curved)

B = L-shaped G (mitred)

C = U-shaped R (rounded, curved)

D = U-shaped G (mitred)

Adapter set for third-party handles optional

Surface finish: 1 = silver / black-grey 2 = silver / white 7 = brass / white

Door thickness: S = 38-60 mm

M = 59-80 mm

L = 79-100 mm

X = 100-200 mm

Spindle: 07 = 7 mm

08 = 8 mm

85 = 8.5 mm

09 = 9 mm

10 = 10 mm

Reader technology: A = Active, M = MIFARE®  
(please indicate Active and MIFARE for Hybrid)

Options: (Select all that apply)

G2 = G2 technology

ZK = Access control, time zone control  
and event logging

FH = Approved for fire protection and  
emergency exit closures

|       |    |   |    |   |    |    |   |     |   |    |
|-------|----|---|----|---|----|----|---|-----|---|----|
| SV-S2 | A0 | 1 | 2. | A | A. | 1. | M | 08. | A | G2 |
|-------|----|---|----|---|----|----|---|-----|---|----|

=SV-S2.A0.12.AA.1.M08.A.G2

HYBRID TECHNOLOGY

# DIGITAL SMART HANDLES 3062 – HYBRID

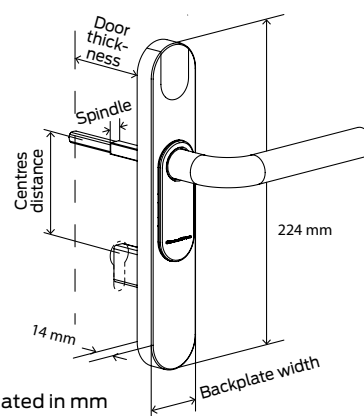


# DIGITAL SMART HANDLE 3062 – HYBRID



This SimonsVoss electronic door handle combines intelligent access control functions with an elegant, ergonomic design. Behind its slim, flat exterior, SmartHandle contains highly innovative technology.

In developing the SmartHandle 3062 door fitting we focussed in particular on the requirements for use in the outdoors. In addition to active technology, SmartHandle is also available in a Smart Card version and can be used with doors fitted with Euro Profile Cylinders, Swiss Round, and Scandinavian Oval mortise locks.



## // UNIQUE SELLING POINT

The innovative snap-in fitting system means that there is no need to drill holes in doors, thus ensuring existing doors are not damaged and installation times are greatly reduced.

## // SYSTEM SPECIFICATIONS AND INTERDEPENDENCIES WITH OTHER PRODUCTS

LSM 3.1 or higher, Programming Device SmartCD.G2 and for the hybrid version, also Programming Device SmartCD.HF.

## // TECHNICAL SPECIFICATIONS (CAN ONLY BE SUPPLIED IN CONJUNCTION WITH G2)

- :: Types: Euro Profile cylinder (as per DIN 18252 / EN1303), Swiss Round, Scandinavian Oval
- :: Dimensions (W x H x D):  
Narrow: 41 x 224 x 14 mm  
Wide: 53 x 224 x 14 mm
- :: Dimensions SO (W x H x D):  
Narrow: 48 x 230.2 x 21.75 mm  
Wide: 59 x 229.2 x 21.75 mm
- :: Reader type:  
active, MIFARE® Classic, MIFARE® DESFire®, MIFARE Plus®
- :: Battery type: 4x CR2450, 3 V, lithium.
- :: Battery life: up to 120,000 operations or up to 10 years on stand-by

- :: Temperature range: Operational: -20°C to +50°C
- :: In storage (temporary): -40°C to +70°C
- :: In storage (long-term): 0°C to +30°C
- :: Feedback signals: Audible (buzzer) and visual (LED – blue/red)
- :: Loggable access events: Up to 3,000
- :: Time zone groups: 100+1
- :: Number of media (transponders/SmartCards) which can be managed per cylinder:  
Transponders: up to 64,000  
(Number of SmartCards depends on the chosen configuration/template)
- :: Number of locking devices which can be managed per transponder/SmartCard: up to 64,000 / 32,000  
(depends on the chosen configuration/template)
- :: Different permanent/open modes
- :: Networking capability: network-ready with integrated LockNode; can be retrofitted at any time
- :: Upgradability: Firmware upgradable
- :: Other: freely configurable

# DIGITAL SMART HANDLE 3062 – HYBRID



Digital SmartHandle is available with the following types of fastening: SnapIn, conventional fastening, conventional fastening with mechanical override (MO). Mounting on escutcheons with MO and mounting on metal frame doors with MO

## // BASIC VERSIONS

| Description   | Order code                                     |
|---|--|
| DIGITAL SMARTHANDLE 3062 – HYBRID   |  |
| Digital SmartHandle 3062 – Hybrid – <b>SnapIn</b> with G2 functions<br>Electronic door handle for mounting on doors, with handle lock designed <b>for Euro Profile or Swiss Round</b> ; outside can only be operated with SimonsVoss transponders and/or MIFARE® SmartCards/SmartTags; inner side is permanently engaged ready for use ready for use.   | SHA*...A**.....2G2***<br>SHA*...B**.....2G2*** |
| Digital SmartHandle 3062 – Hybrid – <b>Conventional fastening</b> with G2 functions<br>Electronic door handle for conventional mounting on doors, with handle lock designed <b>for Euro Profile or Swiss Round</b> ; outside can only be operated with SimonsVoss transponders and/or MIFARE® SmartCards/SmartTags; inner side is permanently engaged ready for use ready for use.  | SHA*...C**.....2G2***<br>SHA*...D**.....2G2*** |
| Digital SmartHandle 3062 – Hybrid – <b>Conventional fastening with MO</b> – with G2 functions – for Euro Profile: Electronic door handle for conventional mounting on doors with screws; additional options for installing a mechanical cylinder as a secondary lock; equipped with a handle lock <b>for Euro Profile</b> ; outer side can only be operated with SimonsVoss transponder and/or MIFARE® SmartCards/SmartTags, internal is always engaged.      | SHC*...E-L**.....2G2***                        |
| Digital SmartHandle 3062 – Hybrid – <b>Conventional fastening with MO</b> – G2 functions – for Swiss Round<br>Electronic door handle for conventional mounting on doors with screws; additional options for installing a mechanical cylinder as a secondary lock; equipped with a handle lock <b>for Swiss Round</b> ; outer side can only be operated with SimonsVoss transponder and/or MIFARE® SmartCards/SmartTags, internal is always engaged.           | SHD*...E-L**.....2G2***                        |
| Digital SmartHandle 3062 – <b>Fastening for mounting to escutcheon with MO</b> – with G2 functions – for Euro Profile: Digital door fitting for conventional installation with screws, additional options for installation of a mechanical cylinder for secondary locking, with a handle lock <b>for Euro Profile</b> outer side can be operated with SimonsVoss transponders and/or MIFARE® SmartCards/SmartTags, inner side is permanently engaged to open. | SHF*...E-L**.....2G2***                        |
| Digital SmartHandle 3062 – <b>Fastening for mounting to escutcheon with MO</b> – with G2 functions – for Swiss Round: Electronic door handle for conventional mounting on doors with screws; additional options for installing a mechanical cylinder as a secondary lock; equipped with a handle lock <b>for Swiss round</b> ; outer side can only be operated with SimonsVoss transponder and/or MIFARE® SmartCards/SmartTags, internal is always engaged.   | SHG*...E-L**.....2G2***                        |



DIGITAL  
SMART HANDLE 3062 –  
HYBRID

| Description  | Order code              |
|--|-------------------------|
| Digital SmartHandle 3062 – <b>Fastening for metal frame doors with MO</b> – with G2 functions – for Euro Profile: Electronic door handle for conventional mounting on doors with screws; additional options for installing a mechanical cylinder as a secondary lock; equipped with a handle lock <b>for Euro Profile</b> ; outer side can only be operated with SimonsVoss transponder and/or MIFARE® SmartCards/SmartTags, internal is always engaged.                 | SHH*...E-L**.....2G2*** |
| Digital SmartHandle 3062– Fastening for installation on <b>metal frame doors with MO</b> and G2 functions – for Swiss Round : electronic door handle for conventional installation with screws; additional options for installing a mechanical cylinder as a secondary lock; equipped with a handle lock for <b>Swiss Round</b> ; outer side can be operated with SimonsVoss transponders and/or MIFARE® SmartCards/SmartTags; inner side is permanently engaged to open | SHI*...E-L**.....2G2*** |

\* Identifiers for profile:

- A = Euro Profile/Swiss Round
- C = Euro Profile with mechanical override
- D = Swiss Round with mechanical override
- F = Euro Profile with MO – Escutcheon installation
- G = Swiss Round with MO – Escutcheon installation
- H = Euro Profile with MO for tubular frame doors
- I = Swiss Round with MO – for tubular frame doors

\*\* Identifiers for fastening system/backplate width:

- A = snap-in, narrow
- B = snap-in, wide
- C = conventional fastening, narrow
- D = conventional fastening, wide
- E-L = versions for mechanical override

\*\*\* Identifier for reader technology/option:

- 1 = active
- G2 = with G2 functions

DIGITAL  
SMART HANDLE 3062 –  
HYBRID

// OPTIONS

| Description   | Order code |
|---|------------|
| <b>PROFILE</b>  |            |
| Euro Profile / Swiss Round                                      | A          |
| Euro Profile with mechanical override (MO)                      | C          |
| Swiss Round with mechanical override (MO)                       | D          |
| Euro Profile with Mechanical Override – escutcheon installation | F          |
| Swiss Round with Mechanical Override – escutcheon installation  | G          |
| Euro Profile with Mechanical Override – for metal frame doors   | H          |
| Swiss Round with Mechanical Override – for metal frame doors    | I          |
| <b>DOOR THICKNESS</b>   |            |
| 39 – 60 mm  | S          |
| 59 - 80 mm  | M          |
| 79 – 100 mm   | L          |
| <b>SPINDLE</b>  |            |
| 7 mm  | 07         |
| 8 mm  | 08         |
| 8 mm (fire retardant doors)                                     | F8         |
| 9 mm (fire retardant doors)                                     | 09         |
| 10 mm   | 10         |
| <b>FASTENING TYPE / BACKPLATE WIDTH:</b>                        |            |
| Snap-in plate (41 mm)   | A          |
| Snap-in plate (53 mm)   | B          |
| Conventional fastening, narrow (41 mm)                          | C          |
| Conventional fastening, wide (53 mm)                            | D          |
| MO recess internal and outside, narrow (41 mm)                  | E          |
| MO internal and outside recess, wide (53 mm)                    | F          |
| MO internal blank, recess outside, narrow (41 mm)               | G          |
| MO internal blank, recess outside, wide (53 mm)                 | H          |

DIGITAL  
SMART HANDLE 3062 –  
HYBRID

| Description   | Order code |
|---|------------|
| MO internal recess, outside blank, narrow (41 mm)                     | I          |
| MO internal recess, outside blank, wide (53 mm)                       | J          |
| MO internal and outside blank, narrow (41 mm)                         | K          |
| MO internal and outside blank, wide (53 mm)                           | L          |
| <b>CENTRES DISTANCE</b>   |            |
| Conventional fastening  | 00         |
| 70 mm (for snap-in only)  | 70         |
| 72 mm (for Snap-in and Mechanical Override only)                      | 72         |
| 75 mm (for Snap-in and Mechanical Override only)                      | 75         |
| 78 mm (for Snap-in and Mechanical Override only)                      | 78         |
| 85 mm (for Snap-in and Mechanical Override only)                      | 85         |
| 88 mm (for Snap-in and Mechanical Override only)                      | 88         |
| 90 mm (for Snap-in and Mechanical Override only)                      | 90         |
| 92 mm (for Snap-in and Mechanical Override only)                      | 92         |
| 94 mm (for Swiss Round only and Snap-in and Mechanical Override only) | 94         |
| <b>VERSION</b>  |            |
| Engaged (for SmartHandle without electronics only)                    | 0          |
| Engages for use on one side (for all SmartHandles with electronics)   | 1          |
| <b>HANDLE VERSION, OUTSIDE</b>  |            |
| L-shaped R (rounded)  | A          |
| L-shaped G (mitred)   | B          |
| U-shaped R (rounded)  | C          |
| U-shaped G (mitred)   | D          |
| U-shaped R (rounded), offset  | E          |

DIGITAL  
SMART HANDLE 3062 –  
HYBRID

| Description   | Order code    |
|---|---------------|
| <b>HANDLE VERSION, INSIDE</b>   |               |
| L-shaped R (rounded)  | A             |
| L-shaped G (mitred)   | B             |
| U-shaped R (rounded)  | C             |
| U-shaped G (mitred)   | D             |
| U-shaped R (rounded), offset  | E             |
| <b>SURFACE</b>  |               |
| Stainless steel, brushed  | 1             |
| Brass version   | 3             |
| <b>READER TECHNOLOGY</b>  |               |
| Hybrid  | 2             |
| <b>OPTIONS</b>  |               |
| With G2 functions   | G2            |
| Version with access control, time zone control and event logging  | ZK            |
| Weatherproof version (applies to outer side only)   | WP            |
| Version with security classification ES1 and PAS24  | E1            |
| <b>OTHER ACCESSORIES</b>  |               |
| Sleeve from 8 mm to 8.5 mm (10 units)   | SH.HUELSE.8.5 |
| Sleeve from 7 mm to 8 mm (10 units)   | SH.HUELSE.7.8 |
| <b>DIRECT NETWORKING</b>  |               |
| 'Network Inside' version with integrated LockNode   | WNM.LN.I.SH   |
| Weatherproof version of the LockNode for outdoor use,   | .WP           |
| <b>COVER</b>  |               |
| Inside cover (narrow) for SmartCard fittings and inlay for retrofit or as replacement   | SH.CS         |
| Inside cover (narrow, Euro Profile) for smart card fittings and inlay for retrofit or as replacement; indicate the centres distance for recess (e.g. 72 mm) | SH.CS.xx      |
| Inside cover (wide) for SmartCard fittings and inlay for retrofit or as replacement   | SH.CB         |

DIGITAL  
SMART HANDLE 3062 –  
HYBRID

| Description   | Order code       |
|---|------------------|
| Inside cover (wide, Euro Profile) for SmartCard fittings and inlay for retrofit or as replacement; indicate the centres distance for recess (e.g. 72 mm)  | SH.CB.xx         |
| Outer cover (narrow) for SmartCard fittings and inlay for retrofit or as replacement  | SH.2.CSP         |
| Outer cover (narrow, Euro Profile) for SmartCard fittings and inlay for retrofit or as replacement; indicate the centres distance for recess (e.g. 72 mm)   | SH.2.CSP.xx      |
| Outer cover (wide) for SmartCard fittings and inlay for retrofit or as replacement  | SH.2.CBP         |
| Outer cover (wide, Euro Profile) for SmartCard fittings and inlay for retrofit or as a replacement; indicate the centres distance for the recess (e.g. 72 mm)   | SH.2.CBP.xx      |
| Inside cover (narrow, Swiss Round) for SmartCard fittings and inlay for retrofit or as a replacement; indicate the centres distance for the recess (e.g. 78 mm)   | SH.CS.SR.I.xx    |
| Inside cover (wide, Swiss Round) for SmartCard fittings and inlay for retrofit or as a replacement; indicate the centres distance for the recess (e.g. 78 mm)   | SH.CB.SR.I.xx    |
| Outer cover (narrow, Swiss Round) for SmartCard fittings and inlay for retrofit or as a replacement; indicate the centres distance for the recess (e.g. 78 mm)  | SH.2.CSP.SR.A.xx |
| Outer cover (wide, Swiss Round) for SmartCard fittings and inlay for retrofit or as a replacement; indicate the centres distance for the recess (e.g. 78 mm)  | SH.2.CBP.SR.A.xx |
| <b>HANDLE FOR RETROFIT OR CONVERSION</b>  |                  |
| SmartHandle lever handle for retrofitting or conversion, L-shape round curved, inside and outside handle, with locking ring and socket screw  | SH.LEVA          |
| SmartHandle lever handle for retrofitting or conversion, L-shaped with mitre, inside and outside handle, with locking ring and socket screw   | SH.LEVB          |
| SmartHandle lever handle for retrofitting or conversion, U-shape round curved, inside and outside handle, with locking ring and socket screw  | SH.LEVC          |
| SmartHandle lever handle for retrofitting or conversion, U-shaped with mitre, inside and outside handle, with locking ring and socket screw   | SH.LEVD          |
| SmartHandle lever handle for retrofitting or conversion, U-shape round curved, cranked, for metal frame doors, inside and outside lever handle, with locking ring and socket screw  | SH.LEVE          |
| SmartHandle lever handle for retrofitting, only for SmartHandle with interchangeable lever handles on both sides, U-shape rounded, inside and outside lever handle, with locking ring and Allen screw, with antibacterial coating | SH.LEVC.AB       |
| Lock ring for interchangeable handle for SmartHandle; (10 pc.)  | SH.RING          |

DIGITAL  
SMART HANDLE 3062  
SCANDINAVIAN OVAL – HYBRID



// BASIC VERSIONS

| Description   | Order code      |
|---|-----------------|
| <b>DIGITAL SMART HANDLE 3062 – SCANDINAVIAN OVAL – HYBRID</b>   |                 |
| <p>Digital SmartHandle 3062 – Scandinavian Oval – Hybrid with G2 functions<br/>Electronic door handle for mounting on doors, with handle lock designed for Scandinavian Oval; outside can only be operated with SimonsVoss transponders and/or MIFARE® SmartCards/SmartTags; inner side is permanently engaged ready for use ready for use.</p>   | SHB*.....2G2*** |
| <p>Digital SmartHandle 3062 – Scandinavian Oval – Hybrid with MO and G2 functions<br/>Electronic door handle for mounting on doors, additional options for installing a mechanical cylinder as a secondary lock, with handle lock designed for Scandinavian Oval; outside can only be operated with SimonsVoss transponders and/or MIFARE® SmartCards/SmartTags; inner side is permanently engaged ready for use ready for use.</p> | SHE*.....2G2*** |

\* Identifiers for profile:

- B = Scandinavian Oval
- E = Scandinavian Oval with Mechanical Override (MO)

\*\*\* Identifier for reader technology/option:

- 2 = Hybrid
- G2 = with G2 functions

DIGITAL  
SMART HANDLE 3062  
SCANDINAVIAN OVAL – HYBRID

// OPTIONS

| Description  | Order code |
|--|------------|
| <b>PROFILE</b>   |            |
| Scandinavian Oval  | B          |
| Scandinavian Oval with Mechanical Override (MO)                              | E          |
| <b>DOOR THICKNESS</b>  |            |
| 33 - 54 mm   | S          |
| 53 - 74 mm   | M          |
| 73 - 94 mm   | L          |
| <b>DOOR THICKNESS SCANDINAVIAN OVAL WITH DRILLING PROTECTION</b>             |            |
| 30 - 51 mm (for versions with drilling protection DP only)                   | S          |
| 50 - 71 mm (for versions with drilling protection DP only)                   | M          |
| 70 - 91 mm (for versions with drilling protection DP only)                   | L          |
| <b>SPINDLE</b>   |            |
| 7 mm   | 07         |
| 8 mm   | 08         |
| 8 mm (fire retardant doors)  | F8         |
| 9 mm (fire retardant doors)  | 09         |
| 10 mm (with adapter sleeve)  | 10         |
| <b>FASTENING TYPE / BACKPLATE WIDTH:</b>                                     |            |
| Conventional fastening, narrow (41 mm)                                       | C          |
| Conventional fastening, wide (53 mm)   | D          |
| Conventional fastening – MO internal and outside recess, narrow (41 mm)      | E          |
| Conventional fastening – MO internal and outside recess, wide (53 mm)        | F          |
| Conventional fastening – MO internal blind / outside recess, narrow (41 mm)  | G          |
| Conventional fastening – MO internal blind / outside recess, wide (53 mm)    | H          |
| Conventional fastening – MO internal recess / outside blind, narrow (41 mm)  | I          |
| Conventional fastening MO – MO internal recess / outside blind, wide (53 mm) | J          |
| Conventional fastening – MO internal and outside blind, narrow (41 mm)       | K          |
| Conventional fastening with MO – internal and outside blind, wide (53 mm)    | L          |

DIGITAL  
SMART HANDLE 3062  
SCANDINAVIAN OVAL – HYBRID

| Description  | Order code |
|--|------------|
| <b>CENTRES DISTANCE</b>  |            |
| Adapter fastening  | 00         |
| 96 mm (not for Mechanical Override)                              | 96         |
| 105 mm (for Mechanical Override only)                            | 05         |
| <b>VERSION</b>   |            |
| Engages for use on one side                                      | 1          |
| <b>HANDLE VERSION, OUTSIDE</b>                                   |            |
| L-shaped R (rounded)   | A          |
| L-shaped G (mitred)  | B          |
| U-shaped R (rounded)   | C          |
| U-shaped G (mitred)  | D          |
| U-shaped R (rounded), offset                                     | E          |
| <b>HANDLE VERSION, INSIDE</b>                                    |            |
| L-shaped R (rounded)   | A          |
| L-shaped G (mitred)  | B          |
| U-shaped R (rounded)   | C          |
| U-shaped G (mitred)  | D          |
| U-shaped R (rounded), offset                                     | E          |
| <b>SURFACE</b>   |            |
| Stainless steel, brushed   | 1          |
| Brass version  | 3          |
| <b>READER TECHNOLOGY</b>   |            |
| MIFARE® SmartCards   | 3          |
| <b>OPTIONS</b>   |            |
| With G2 functions  | G2         |
| Version with access control, time zone control and event logging | ZK         |
| Weatherproof version (for outer side only)                       | WP         |



DIGITAL  
SMART HANDLE 3062  
SCANDINAVIAN OVAL – HYBRID

| Description  | Order code  |
|--|-------------|
| <b>DIRECT NETWORKING FOR DIGITAL SMART HANDLE</b>  |             |
| LockNode for integration into the electronic door handle for direct networking of the SmartHandle 3062 with autoconfiguration (can be retrofitted)                   | WNM.LN.I.SH |
| Weatherproof version of the LockNode for outdoor use, can only be ordered in connection with the weatherproof version of the SmartHandle (WP)                        | WP          |
| <b>ORDER PLACEMENT GUIDE</b>   |             |
| You can download an order placement guide for Digital SmartHandles from our website at <a href="http://www.simons-voss.com">www.simons-voss.com</a> under Downloads. |             |

# DIGITAL SMART HANDLE 3062 – HYBRID

COMPOSITION OF THE ITEM NO. SHOWN IN EXAMPLE:

|   |    |    |   |    |   |   |   |   |   |    |
|---|----|----|---|----|---|---|---|---|---|----|
| <b>Identifier for electronic door handle = SH</b>   |    |    |   |    |   |   |   |   |   |    |
| Profile: <b>A=Euro Profil/Swiss Round</b>   |    |    |   |    |   |   |   |   |   |    |
| B=Scandinavian Oval   |    |    |   |    |   |   |   |   |   |    |
| C=Euro Profile with Mechanical Override (MO)  |    |    |   |    |   |   |   |   |   |    |
| D=Swiss Round with MO   |    |    |   |    |   |   |   |   |   |    |
| E=Scandinavian Oval with MO   |    |    |   |    |   |   |   |   |   |    |
| F = Euro Profile with MO – Escutcheon installation  |    |    |   |    |   |   |   |   |   |    |
| G = Swiss Round with MO – Escutcheon installation   |    |    |   |    |   |   |   |   |   |    |
| H= Euro Profile with MO – for metal frame doors   |    |    |   |    |   |   |   |   |   |    |
| I = Swiss Round with MO – for steel frame doors   |    |    |   |    |   |   |   |   |   |    |
| Profile/door thickness: <b>S = 39 – 60 mm or 33 – 54 mm for SO, 30 – 51 for SO.DP, 32–50 mm for SKG</b> |    |    |   |    |   |   |   |   |   |    |
| M =59-80 mm or 53-74 mm for SO, 50-71 mm for SO.DP 50–70 mm for SKG, 70–90 mm for SKG                   |    |    |   |    |   |   |   |   |   |    |
| L =79-100 mm or 73-94 mm for SO, 70-91 mm for SO.DP   |    |    |   |    |   |   |   |   |   |    |
| Spindle: 07 = 7 mm  |    |    |   |    |   |   |   |   |   |    |
| 08 = 8 mm (for SKG versions only 8 mm (08) available!)  |    |    |   |    |   |   |   |   |   |    |
| F8 = 8 mm (fire retardant doors)  |    |    |   |    |   |   |   |   |   |    |
| 09 = 9 mm (fire retardant doors)  |    |    |   |    |   |   |   |   |   |    |
| <b>10 = 10 mm (with adapter sleeve)</b>   |    |    |   |    |   |   |   |   |   |    |
| 8.5 mm (via sleeve SH.HUELSE.8.5, see Accessories)  |    |    |   |    |   |   |   |   |   |    |
| Fastening type/plate width: A = SnapIn narrow (41 mm)   |    |    |   |    |   |   |   |   |   |    |
| <b>B = SnapIn wide (53 mm)</b>  |    |    |   |    |   |   |   |   |   |    |
| C = Conventional fastening, narrow (41 mm)  |    |    |   |    |   |   |   |   |   |    |
| D = Conventional fastening, wide (53 mm)  |    |    |   |    |   |   |   |   |   |    |
| E = Conventional fastening, MO – recess inside and outside, narrow (41 mm)                              |    |    |   |    |   |   |   |   |   |    |
| F = Conventional fastening, MO – recess inside and outside, wide (53 mm)                                |    |    |   |    |   |   |   |   |   |    |
| G = Conventional fastening, MO – inside blank/recess outside, narrow (41 mm)                            |    |    |   |    |   |   |   |   |   |    |
| H = Conventional fastening, MO – inside blank/recess outside, wide (53 mm)                              |    |    |   |    |   |   |   |   |   |    |
| I = Conventional fastening, MO – inside recess/outside blank, narrow (41 mm)                            |    |    |   |    |   |   |   |   |   |    |
| J = Conventional fastening, MO – inside recess/outside blank, wide (53 mm)                              |    |    |   |    |   |   |   |   |   |    |
| K = Conventional fastening, MO – inside and outside blank, narrow (41 mm)                               |    |    |   |    |   |   |   |   |   |    |
| L = Conventional fastening, MO – inside and outside blank, wide (53 mm)                                 |    |    |   |    |   |   |   |   |   |    |
| Centres distance: 00 = Conventional fastening system  |    |    |   |    |   |   |   |   |   |    |
| 70 = 70 mm  |    |    |   |    |   |   |   |   |   |    |
| 72 = 72 mm  |    |    |   |    |   |   |   |   |   |    |
| 74 = 74 mm (for Swiss Round only)   |    |    |   |    |   |   |   |   |   |    |
| 75 = 75 mm  |    |    |   |    |   |   |   |   |   |    |
| 78 = 78 mm  |    |    |   |    |   |   |   |   |   |    |
| <b>85 = 85 mm</b>   |    |    |   |    |   |   |   |   |   |    |
| 88 = 88 mm  |    |    |   |    |   |   |   |   |   |    |
| 90 = 90 mm  |    |    |   |    |   |   |   |   |   |    |
| 92 = 92 mm  |    |    |   |    |   |   |   |   |   |    |
| 94 = 94 mm (for Swiss Round only)   |    |    |   |    |   |   |   |   |   |    |
| 96 = 96 mm (for Scandinavian Oval only)   |    |    |   |    |   |   |   |   |   |    |
| 05 = 105 mm (for Scandinavian Oval only)  |    |    |   |    |   |   |   |   |   |    |
| Version: 0=Engaged (without electronics) <b>1=Engaged for use on one side</b>                           |    |    |   |    |   |   |   |   |   |    |
| 2=DoorMonitoring (DM)   |    |    |   |    |   |   |   |   |   |    |
| 3=DM with connection to sensor locks .....4=DM with handle sensor                                       |    |    |   |    |   |   |   |   |   |    |
| Handle variant, outside: <b>A = L-shaped R (rounded, curved)</b>  |    |    |   |    |   |   |   |   |   |    |
| B = L-shaped G (mitred)   |    |    |   |    |   |   |   |   |   |    |
| C = U-shaped R (rounded curved)   |    |    |   |    |   |   |   |   |   |    |
| D = U-shaped G (mitred)   |    |    |   |    |   |   |   |   |   |    |
| E = U-shaped R (rounded, curved), offset  |    |    |   |    |   |   |   |   |   |    |
| Handle versions, inside: <b>A = L-shaped R (rounded, curved)</b>  |    |    |   |    |   |   |   |   |   |    |
| B = L-shaped G (mitred)   |    |    |   |    |   |   |   |   |   |    |
| C = U-shaped R (rounded, curved)  |    |    |   |    |   |   |   |   |   |    |
| D = U-shaped G (mitred)   |    |    |   |    |   |   |   |   |   |    |
| E = U-shaped R (rounded, curved), offset  |    |    |   |    |   |   |   |   |   |    |
| Thumb-turn = thumb-turn (for SKG only)  |    |    |   |    |   |   |   |   |   |    |
| Surface finish: <b>1 = brushed stainless steel</b>  |    |    |   |    |   |   |   |   |   |    |
| 3 = brass   |    |    |   |    |   |   |   |   |   |    |
| Reader technology: 0 = without electronics  |    |    |   |    |   |   |   |   |   |    |
| 1 = active  |    |    |   |    |   |   |   |   |   |    |
| <b>2 = Hybrid</b>   |    |    |   |    |   |   |   |   |   |    |
| 3 = MIFARE® Pure  |    |    |   |    |   |   |   |   |   |    |
| Options: G2, ZK, WP, DP (for SO only)   |    |    |   |    |   |   |   |   |   |    |
| SH  | AS | 10 | B | 85 | 1 | A | A | 1 | 2 | G2 |

Item code for the aforementioned example: SHAS10B851AA12G2

HYBRID TECHNOLOGY

# DIGITAL SMART RELAYS 2 3063

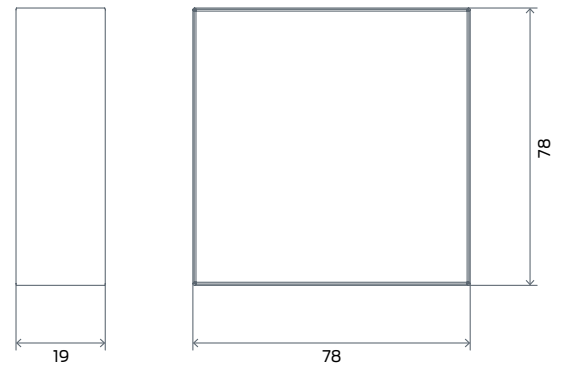


Simons  Voss

# DIGITAL SMART RELAY 2 3063



Digital SmartRelay 2 3063 has been developed for system environments which use SmartCards. The reading methods MIFARE® Classic, MIFARE Plus® and MIFARE® DESFire® are supported. SmartRelay 2 is an electronic switch which can be activated with a SimonsVoss ID medium (transponder or SmartCard), SmartRelay thus performs 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.



Measurements indicated in mm

## // CUSTOMER BENEFITS

- :: 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, entrance ways, machines, time-and-attendance systems and access control readers

## // TECHNICAL SPECIFICATIONS

- :: Housing made of white polyamide 6.6
- Dimensions: 78 x 78 x 19 mm (H x W x D)
- Semi-transparent base plate
- :: Standard protection rating IP 20
- IP 65 as WP variant
- :: Air 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)
- :: Mains voltage: 9–24 VDC
- :: Power limitation: Mains adapter must be limited to 15 VA
- :: 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, NO 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 VA
- ∴ Multi-function connections F1, F2, F3: max. 24 VDC, max. 50 mA
- ∴ Loggable access events: 3,600 access events can be logged
- ∴ Time zone groups: 100
- ∴ Number of transponders that can be managed per locking cylinder: up to 64,000
- ∴ Networking capability: Network-ready with integrated LockNode (WNM.LN.I.SREL2.G2) or via external LockNode with added door monitoring function

// PRODUCT VERSIONS

Digital SmartRelay 2 3063

Version in white housing, for transponders (active), with access control, time zone control and event logging. Relay contact as NO contact (reversible to break contact); with serial port and the option of triggering the SREL2 through an external circuit (potential-free NO contact); can only be operated with direct current (9 to 24 VDC); can be directly networked with integrated LockNode WNM.LN.I.SREL2.G2 (must be ordered separately); with connection available for an external antenna (SREL.AV); designed to also house an internal MIFARE® card reader and able to connect one or two additional external MIFARE® card readers (readers ordered separately)

SREL2.ZK.MH.G2.W

SmartCard Reader, internal

For plugging into the internal relay board in SmartRelay 2 for SmartCards/SmartTags (SREL2.ZK.MH.G2.W); for use with MIFARE® Classic, MIFARE Plus® and MIFARE® DESFire® SmartCards/SmartTags

SC.M.I.G2

SmartCard reader, external

For mounting in unsecured area, connection to SmartRelay 2 for SmartCards/SmartTags (SREL2.ZKMH.G2.W) via cable (not included, recommended cable): Cat5), SmartRelay 2 operated with MIFARE® Classic, MIFARE Plus® or MIFARE® DESFire® SmartCards/SmartTags

SC.M.E.G2.W

Weatherproof version for external readers, including connection cable (about 1 m long), IP65

.WP

Protective housing for SmartRelay 2 and its external reader for outdoor use

SREL2.COVER1

External antenna for connecting to all SmartRelay 2 versions (cable 5m long)

SREL.AV

DIRECT NETWORKING

LockNode to be integrated into the SmartRelay housing to directly network SmartRelay 2 3063 with auto-configuration (can be retrofitted)

WNM.LN.I.SREL2.G2

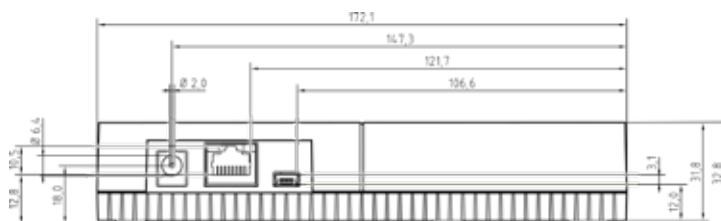
HYBRID TECHNOLOGY

# DIGITAL SMART RELAY 3 ADVANCED



# DIGITAL SMART RELAY 3 ADVANCED CONTROLLER

The SmartRelay 3 Advanced is a high-performance control unit consisting of a controller and up to three readers. Installed in a virtual network, it acts as a high-performance gateway, transmitting access rights and modified configurations to identification media. Up to three external readers can be connected, which can be ordered for active (transponder) and / or passive identification media (SmartCard). A fast IP connection via Ethernet (including PoE) ensures instant transmission and updates, even for larger data volumes.



Measurements indicated in mm

## // ADVANTAGES

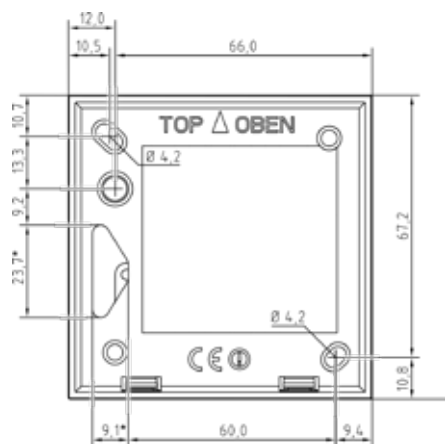
- :: Intelligent networked control unit for expanding any locking system
- :: High-performance gateway in the virtual network (transfer of updated access rights to identification media)
- :: Immediate transmission even of large amounts of data via Ethernet (PoE-capable)
- :: Control e.g. of sliding doors, barriers, roller shutters
- :: Access logging differentiated according to readers
- :: Connection of up to three external hybrid readers with optical and acoustic signalling
- :: Three digital inputs for various applications, such as door monitoring with external sensors
- :: Possibility of connection to third-party systems, e.g. time recording
- :: Any combination of all types of networking in a locking system (offline, virtual networking, online)
- :: Expansion by up to 116 relay outputs with the Smart Output Module MOD.SOM8 (optionally available)

## // TECHNICAL SPECIFICATIONS

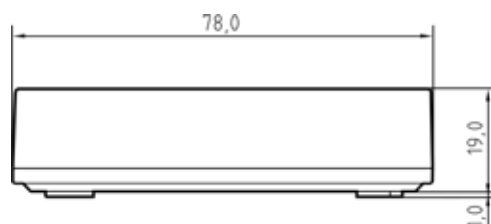
### Controller

- :: Basic version (SREL3.CTR.ADV.G2),  
Basic version with access control, time zone control and event logging, (SREL3.CTR.ADV.ZK.G2)
- :: Dimensions [L x W x H]: 172 x 86 x 33 mm
- :: colour: RAL 9016 traffic white
- :: Housing: Plastic (ABS)
- :: Power supply: 9 - 32 VDC, max. 200 mA.  
Via round plug 5.5 mm or screw terminals on the board, alternatively PoE (IEEE 802.3af)
- :: Interface/connections
  - :: RS485 (3x reader connection)
  - :: TCP/IP (network connection)
  - :: USB (initial programming)
  - :: 1x relay output (potential-free changeover contact)
  - :: Serial interface for connection to third-party systems
  - :: 3 digital inputs (1 x push-button input for door opening),  
2 x e.g. for door contact)
- :: Standard protection rating IP20
- :: Signalling: Visual (LED – RGB)
- :: Temperature range: Operational: –25 °C to +60 °C
- :: Humidity: max. 90%, non-condensing

# DIGITAL SMART RELAY 3 ADVANCED READER



\* not with  
WP version



Measurements indicated in mm



## // TECHNICAL SPECIFICATIONS

### Reader

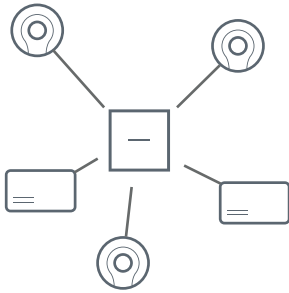
- :: External reader (SREL3.EXT.G2.W),  
External reader as weatherproof version (SREL3.EXT.G2.W.WP)
- :: Dimensions (L x W x H) approx. 78 x 78 x 19 mm,
- :: colour: RAL 9016 traffic white
- :: Housing: Plastic (ABS)
- :: Power supply: Via the controller or alternatively via external power supply unit
- :: Interface/connections
  - :: RS485: Connection to controller (recommended cable length: up to 150m, Cat5 or higher)
  - :: Active transponder technology (25 kHz, range 0-60 cm)
  - :: RFID (13.56 MHz, range 0-15 mm) - Supported cards-templates: MIFARE® Classic and MIFARE® DESFire® EV1/EV2
  - :: Power supply
- :: Standard protection rating IP20, IP65 for weatherproof version
- :: Signalling: Visual (LED – RGB), acoustic (buzzer)
- :: Temperature range: Operational: –25 °C to +60 °C
- :: Humidity: max. 90%, non-condensing



# DIGITAL SMART RELAY 3 ADVANCED



## // EXAMPLES OF USE



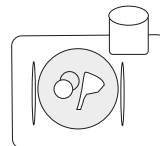
**Virtual network**  
booking station for  
updating access rights



**Circuit** e.g. from  
doors, barriers, rolling gates  
and garage doors



**Elevator control**  
Individual access  
authorisations for floors



**Connection to third-party  
systems** such as a canteen  
billing system via the serial  
interface

DIGITAL  
SMARTRELAY 3 ADVANCED



// PRODUCT VERSIONS

| Description  | Order code          |
|--|---------------------|
| <b>DIGITAL SMART RELAY 3 ADVANCED</b>  |                     |
| SmartRelay 3 Advanced Controller Base Unit; can be used as a gateway in a virtual network, TCP/IP interface, PoE, USB and RS-485 port, up to 3 external readers can be connected; one relay output; MOD.SOM8 can be connected  | SREL3.CTR.ADV.G2    |
| SmartRelay 3 Advanced Controller Base Unit with access control, time zone management and events logging; can be used as a gateway in a virtual network, TCP/IP interface, PoE, USB and RS-485 port, up to 3 external readers can be connected; one relay output; MOD.SOM8 can be connected | SREL3.CTR.ADV.ZK.G2 |
| External reader in white housing to install in a non-secured area; connection to SmartRelay 3 Advanced Controller Base Unit via RS-485 cable (not included in supply package)  | SREL3.EXT.G2.W      |
| Extra charge for weatherproof external reader for SmartRelay 3 Advanced, including connecting cable (about 2 m long), IP65   | .WP                 |
| SmartOutput module: Additional module for Advanced models with 8 relay outputs which can be switched via a control unit using transponders/SmartCards. Cable connection to controller RS 485 (not included in package)   | MOD.SOM8            |
| Protective housing; both for the SmartRelay2 and its external reader as well as for the external reader of the SmartRelay 3 Advanced   | SREL2.COVER1        |

## DIGITAL SMART OUTPUT MODULE



The Smart Output Module has eight isolated relay outputs and is connected to SmartRelay 3 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)
- ⌘ Standard protection rating IP20; not suitable for unprotected use outdoors
- ⌘ Temperature range: Operational 0 °C to +60 °C  
Storage: 0 °C to +70 °C
- ⌘ Air humidity: < 90 % without condensation
- ⌘ Mains voltage: 11 to 15 VDC, recommended 12 VDC, regulated
- ⌘ Power limitation: Mains adapter must be limited to 15 VA
- ⌘ Standby current: < 120 mA
- ⌘ Max. current: < 150 mA
- ⌘ Pulse duration can be programmed between 0.1 and 25.5 sec.
- ⌘ Output relay type: normally opened
- ⌘ 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 power: 10<sup>6</sup> activations at 24 VA
- ⌘ 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. 1 VA
- ⌘ Output 1 switching behaviour when voltage below target:  
U<sub>v</sub> < 10,5 +/- 0.5 V
- ⌘ Up to 16 modules for up to 128 floors  
can be managed by each SmartRelay Advanced
- ⌘ Up to 15 modules for up to 116 floors can be managed by each  
SmartRelay 3 Advanced

### // PRODUCT VERSIONS

Smart Output Module  
Additional module for Advanced models with  
8 relay outputs which can be switched via a control  
unit using transponders/SmartCards. Cable  
connection to controller RS-485 (not included in  
package)

MOD.SOM8

# MULTI-NETWORKING

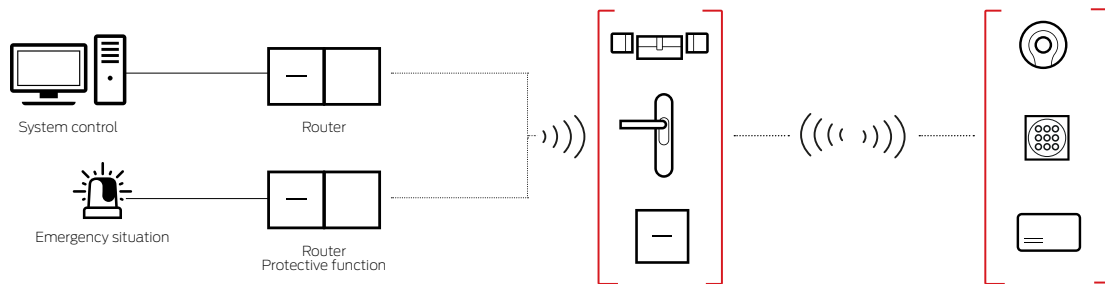
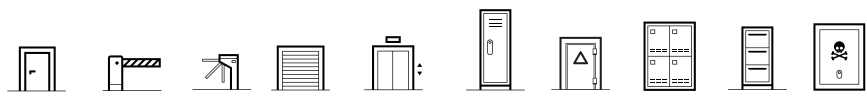




# HOW IT WORKS

## WAVENET RADIO NETWORK

ONLINE:  
DIRECT NETWORKING



### // ADVANTAGES

- ⌘ Immediate reaction to transponder loss
- ⌘ Remote locking device programming
- ⌘ Central triggering of protective functions  
(e.g. emergency release, anti-gunman attack function)
- ⌘ Online door monitoring (DoorMonitoring)
- ⌘ Warning messages (e.g. email) for critical events such as attempted door manipulation
- ⌘ Automatic warnings for low battery power of locking devices

# WAVENET RADIO NETWORK 3065

Radio network for connecting all locks to a central computer. Data is transmitted via the 868 MHz frequency band. RS485 is also available as an option. Data is exchanged with all networked elements in real time.



## // COMPONENT ASSEMBLIES

- ⌘ Locking system software:  
The locking system is controlled and managed from a PC using Locking System Management (LSM) software.
- ⌘ WaveNet Manager:  
The WaveNet Manager is used to configure the wireless and/or cable network. It enables the automatic addressing of all network nodes (Router-, LockNodes (Inside) and thus the optimal assignment of LockNodes (Inside) to the RouterNode in the network that can best be reached. (WaveNet Manager available free of charge at [www.simons-voss.com](http://www.simons-voss.com))
- ⌘ WaveNet RouterNode:  
In a WaveNet network, RouterNodes represent the connection between the LSM software and the locks (LockNodes).
- ⌘ WaveNet LockNode Inside:  
It is integrated into the locking components and thus enables direct networking without additional LockNode installation next to the door.
- ⌘ WaveNet LockNode:  
It can be mounted next to locks without LockNode Inside for networking.

\* not available for all products

# WAVENET ROUTER NODES

WaveNet RouterNode 2



Routing nodes interlink the different network segments with one another in a network. Different transmitting media can thus be interconnected with one another (example: A WNM.RN2.ER.IO router connects an ethernet segment [E] with a radio segment [R]).



SimonsVoss RouterNodes with their own inputs and outputs (I/Os) offer unique protective functions for door monitoring, such as

- ⌘ Blocking of doors in the event of a gunman attack alarm
- ⌘ Release of doors in the event of a fire alarm
- ⌘ Release of doors in the event of a distress call (nursing staff emergency call, panic situation)
- ⌘ SwSwitching of energy scenarios (light, heating etc.)
- ⌘ Transmission of signals in the event of breakdown or faults in the building, such as excessively high temperatures, water getting internal the building, incorrect fill levels in tanks Can feature simultaneous releasing/opening of doors
- ⌘ The protection functions are available even if the connection to the locking system management software (LSM) is interrupted.

## // TECHNICAL SPECIFICATIONS ROUTER NODE 2

- ⌘ Housing: ABS plastic, UV-stable,
- ⌘ Dimensions: 172 x86x33 mm (L x W x H)
- ⌘ Frequency range: 868,xx - 870 MHz
- ⌘ colour: 9/118645, same as RAL 9016 (Traffic white)
- ⌘ Power supply: regulated mains adapter, 9-32 VDC, jack plug, round, 5.5 mm
- ⌘ PoE: Power-over-Ethernet, supports IEEE 802.3af
- ⌘ Output: Max. 3 VA
- ⌘ Transmitting capacity: 10dBm (about 10 mW) to the antenna socket
- ⌘ Wiring to device: Surface or flush mount possible
- ⌘ Temperature: Operational: -10° C to +55° C
- ⌘ Air humidity: Max. 90%, non-condensing
- ⌘ Protection class: IP20
- ⌘ LED: A three-colour LED: red, green, blue (in centre of housing)
- ⌘ Relay for Output 1: 1x changeover contact
- ⌘ Digital inputs: 3x (isolated)
- ⌘ Digital outputs: 2x (open collector)
- ⌘ Analogue inputs 1x



WAVENET  
ROUTER NODES



// PRODUCT VERSIONS

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**WAVENET ROUTER 2 WITH PROTECTIVE FUNCTION**

---

|  |               |
|--|---------------|
| WaveNet Router 2 for auto-configuration as converter from Ethernet to 868 MHz frequency; includes connecting socket for external plug-in power supply; connection terminals for inputs and outputs on circuit board; transceiver antenna integrated on router circuit board; Power over Ethernet-capable (PoE 802.3af) | WNM.RN2.ER.IO |
|--|---------------|

---

**WAVENET ROUTER NODES WITH PROTECTIVE FUNCTION**

---

|  |             |
|--|-------------|
| WaveNet RouterNode with protective function for auto-configuration with 868 MHz radio module; includes connecting terminals for external plug-in power supply and an external transmission and receiver antenna; protective function: gunman attack, block lock, emergency release, remote opening | WNM.RN.R.IO |
|--|-------------|

---

|   |              |
|---|--------------|
| WaveNet RouterNode with protective function for auto-configuration with two RS485 ports for segment extension protective function: gunman attack, block lock, emergency release, remote opening | WNM.RN.CC.IO |
|---|--------------|

---

|   |              |
|---|--------------|
| WaveNet RouterNode with protective function for auto-configuration to convert from RS485 port to 868 MHz frequency, to use the routing node as a backbone; includes connecting terminals for external plug-in power supply and an external transmission and receiver antenna; protective function: gunman attack, block lock, emergency release, remote opening | WNM.RN.CR.IO |
|---|--------------|

---

|  |              |
|--|--------------|
| WaveNet Routing Node with protective function for auto-configuration to convert from Ethernet to the RS-485 port; includes connecting terminals for external plug-in power supply; Power over Ethernet-capable (PoE 802.3af) Protective function: gunman attack, block lock, emergency release, remote opening | WNM.RN.EC.IO |
|--|--------------|

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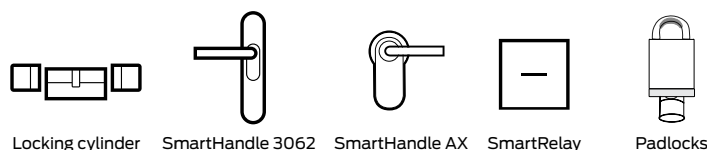
# WAVE NET RADIO NETWORK 3065 DIRECT NETWORKING LOCKNODE INSIDE

LockNode WNM.LN.I



The LockNode Inside is integrated into the locking components and thus enables direct networking without additional LockNode installation next to the door.

Available for:



## // ADVANTAGES

- ⌘ Very simple retrofitting of locks (Plug & Play)
- ⌘ Networking – with no complex wiring on doors
- ⌘ Automated configuration

## // PROPERTIES NETWORK THUMB-TURN COVER

- ⌘ Retrofit network thumb-turn cover for networking TN4 locking cylinders
- ⌘ Features an 868 MHz interface and a connection to the cylinder micro-controller
- ⌘ LockNode is located on the base of the electronic thumb-turn (thumb-turn extended by around 2.6 mm)
- ⌘ Thumb-turn acts as an antenna
- ⌘ No separate antenna necessary
- ⌘ Power supplied by cylinder battery
- ⌘ Range to RouterNode: up to 30 m (depending on the building structure)
- ⌘ Standard stainless steel version
- ⌘ Brass version (.MS)
- ⌘ Up to 5 years on standby or 150,000 cylinder activations

## // CUSTOMER ADVANTAGES NETWORK THUMB-TURN COVER

The WaveNet Network thumb-turn Cover incorporates the LockNode into the metal cover on the electronics side of a locking cylinder. It thus provides direct networking for the door without needing to install a LockNode next to the door. The network thumb-turn cover can be retrofitted very easily by replacing the cover on the electronics side of a locking cylinder.

WAVE NET RADIO NETWORK 3065  
DIRECT NETWORKING  
LOCKNODE INSIDE

// PRODUCT VERSIONS

**FOR DIGITAL LOCKING CYLINDER 3061 – ACTIVE AND HYBRID**

|  |                  |
|--|------------------|
| Network thumb-turn cover for auto-configuration as retrofit thumb-turn cover, for direct networking, stainless steel   | WNM.LN.I         |
| Brass version  | .MS              |
| Network thumb-turn cover for auto-configuration as retrofit thumb-turn cover, for direct networking, in KNAUF7 design  | WNM.LN.I.KNAUF7  |
| Network thumb-turn cover for auto-configuration as retrofit thumb-turn cover, for direct networking, in KNAUF12 design | WNM.LN.I.KNAUF12 |

**FOR DIGITAL LOCKING CYLINDER 3061 – PASSIVE (.MP)**

|   |             |
|---|-------------|
| Thumb-turn cover for autoconfiguration with integrated antenna and separate network board for retrofitting for direct cross-linking, stainless steel design | WNM.LN.I.MP |
|---|-------------|

**FOR SMART HANDLE 3062**

|  |                |
|--|----------------|
| LockNode for integration into the digital door fitting, for direct networking of SmartHandle 3062 with auto-configuration (can be retrofitted) | WNM.LN.I.SH    |
| Weatherproof version of the LockNode for outdoor use,  | WNM.LN.I.SH.WP |

**FOR SMART HANDLE AX**

|   |             |
|---|-------------|
| LockNode for integration into digital door fittings to directly network SmartHandle AX (can be retrofitted) | WNM.LN.I.S2 |
|---|-------------|

**FOR SMART RELAY 3063**

|  |                  |
|--|------------------|
| LockNode to be integrated into the SmartRelay housing to directly network SmartRelay 3063 with auto-configuration (can be retrofitted) | WNM.LN.I.SREL.G2 |
|--|------------------|

**FOR SMART RELAY 2 3063**

|  |                   |
|--|-------------------|
| LockNode to be integrated into the SmartRelay 2 housing to directly network SmartRelay 2 with auto-configuration | WNM.LN.I.SREL2.G2 |
|--|-------------------|

**FOR PADLOCKS – ACTIVE**

|  |                 |
|--|-----------------|
| Network thumb-turn cover for auto-configuration as retrofit thumb-turn cover, for direct networking, stainless steel | WNM.LN.I        |
| Network thumb-turn cover for auto-configuration as retrofit thumb-turn cover, for direct networking In KNAUF7 design | WNM.LN.I.KNAUF7 |

**FOR PADLOCKS – PASSIVE**

|   |             |
|---|-------------|
| Thumb-turn cover for autoconfiguration with integrated antenna and separate network board for retrofitting for direct cross-linking, stainless steel design | WNM.LN.I.MP |
|---|-------------|

# WAVE NET RADIO NETWORK 3065 DIRECT NETWORKING LOCK NODE.

WNM.LN.R



It can be mounted next to locks without LockNode Inside for networking. It communicates with the locking component via the proven B-field interface (25 kHz) and with the nearest RouterNode via the 868 MHz radio interface (alternatively via RS485 cable interface).



## // ADVANTAGES

- :: Networking of components without LockNode-Inside
- :: Additional I/Os to monitor door contacts and actuation of third-party systems.

## // PROPERTIES WNM.LN.R

- :: Features an 868 MHz remote interface and a 25 kHz interface
- :: Suitable for installation in 55 mm Ø flush-mounted box
- :: Range to RouterNode up to 30 m (depending on the building structure)
- :: Three inputs (floating), one output (open drain) for door monitoring, sensors, external systems
- :: Battery-operated (battery life up to 6 years; type:two 2/3AA; 3.6 V)
- :: Connection to an external antenna possible (for two-leaf doors, for example)

## // PRODUCT VERSIONS

WaveNet LockNode for auto-configuration with 868 MHz radio interface with three inputs and one output (battery-operated)

WNM.LN.R

WaveNet LockNode for auto-configuration with RS485 port, featuring three inputs and one output

WNM.LN.C

## // PROPERTIES WNM.LN.C

- :: Features a RS485 (cable) and a 25 kHz interface
- :: Recommended cable type: Cat 5, shielded
- :: Bus installation/wiring only
- :: Suitable for installation in 55 mm Ø flush-mounted box
- :: Three inputs (isolated), one output (open drain) for door monitoring, sensors, third-party systems
- :: No batteries, power supply via power supply 6 - 24 VDC, 15 mA per LockNode (recommended WN.POWER.SUPPLY.LNC)

# WAVE NET RADIO NETWORK 3065 ACCESSORIES

POWER.SUPPLY.2



## // ACCESSORIES

|   |                     |
|---|---------------------|
| External power supply 12 VDC / 500 mA / 6 VA for WaveNet RouterNode 2, with 5.5 mm jack plug, connection cable approx. 1.5 m  | POWER.SUPPLY.2      |
| External power supply 12 VDC / 1000 mA / 12 VA for WaveNet RouterNode 2, with connecting cable about 1.5 m with universal adaptor for international use   | POWER.SUPPLY.2.UNI  |
| External plug-in power supply for SmartRelays, WaveNet CentralNodes, RouterNodes and RepeaterNodes  | WN.POWER.SUPPLY.PPP |
| External plug-in power supply for WaveNet LockNode with RS485 port WN(M).LN.C   | WN.POWER.SUPPLY.LNC |
| External antenna for WaveNet LockNodes for WN(M).LN.R and WN(M).LN.C  | WN.LN.ANTV          |
| Battery set for WaveNet LockNode, 10 units  | WN.BAT.SET          |
| 5 m sensor cable for connection to WaveNet LockNodes (WN.LN.R/WN.LN.C) for monitoring doors   | WN.LN.SENSOR.CABLE  |
| Connection cable to connect SmartRelay to a WaveNet LockNode (WNM.LN.R/C)   | WN.WIRED.BF.G2      |
| Bracket for RN housing; not suitable for RouterNode 2   | WN.RN.BOX           |
| Connecting cable for WNM-IO Router  | WNM.CABLE.IO        |
| Tester for illuminating a SimonsVoss WaveNet 3065 radio network at 868 MHz, consisting of a base station and a mobile station, training is required, price includes 2 hours of telephone training | WN.TESTER.BAMO.EU   |
| Base station  | WN.TESTER.BASIS.EU  |
| Mobile station  | WN.TESTER.MOBILE.EU |
| External antenna for connecting to WNM.RN2.ER.IO (cable 2.5 m long)   | ANTENNA.EXT.868     |

# LSM SOFTWARE





# LSM SOFTWARE LOCKING PLAN MANAGEMENT



## // SYSTEM MANAGEMENT

Intelligent components form the core of the digital locking. The software is the unifying element to perform all tasks quickly and comfortably:

- ⌘ Issue of transponders for new employees
- ⌘ Programming of locking cylinders for current authorisations
- ⌘ Detection of events in the locking system via the network

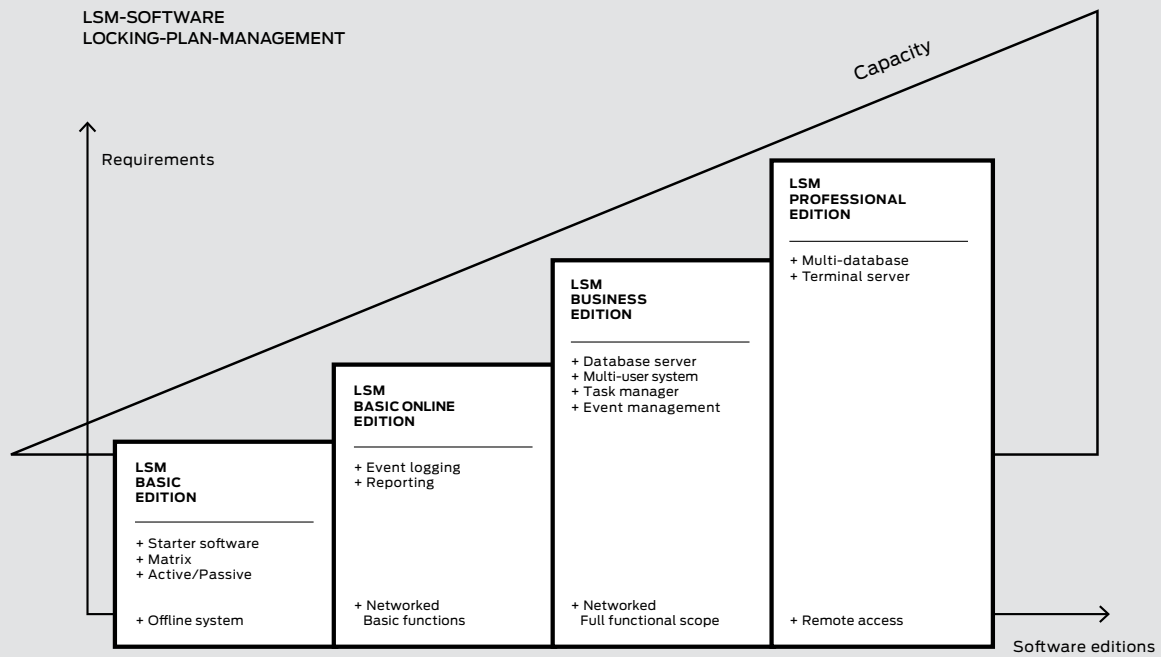
The more complicated requirements are, the more comprehensive the software needs to be. Those who want to solve standard solutions only need one simple software. A large corporate group with offices all over the world needs a package that offers high performance.

In System 3060, you can choose the right software for your needs from different editions. Individual versions are all compatible, ensuring future requirements will be met.

## // BASIC STRUCTURE

- ⌘ LSM is based on a data structure that grows with the size of your locking system. There are different components and modules which can enhance and extend the existing installation by upgrading with new functions and increasing performance.
- ⌘ The database engine: From the LSM Business Edition, a renowned database server is used, which is simple to install and creates no additional administrative work. It guarantees data security and program stability and performance.
- ⌘ Communication nodes are able to connect individual subnetworks. They process tasks and events.
- ⌘ Thee user program with graphical user interface (GUI) can be installed on several user clients. In different views, the structures of the locking system can be compressed or displayed and edited in detail.

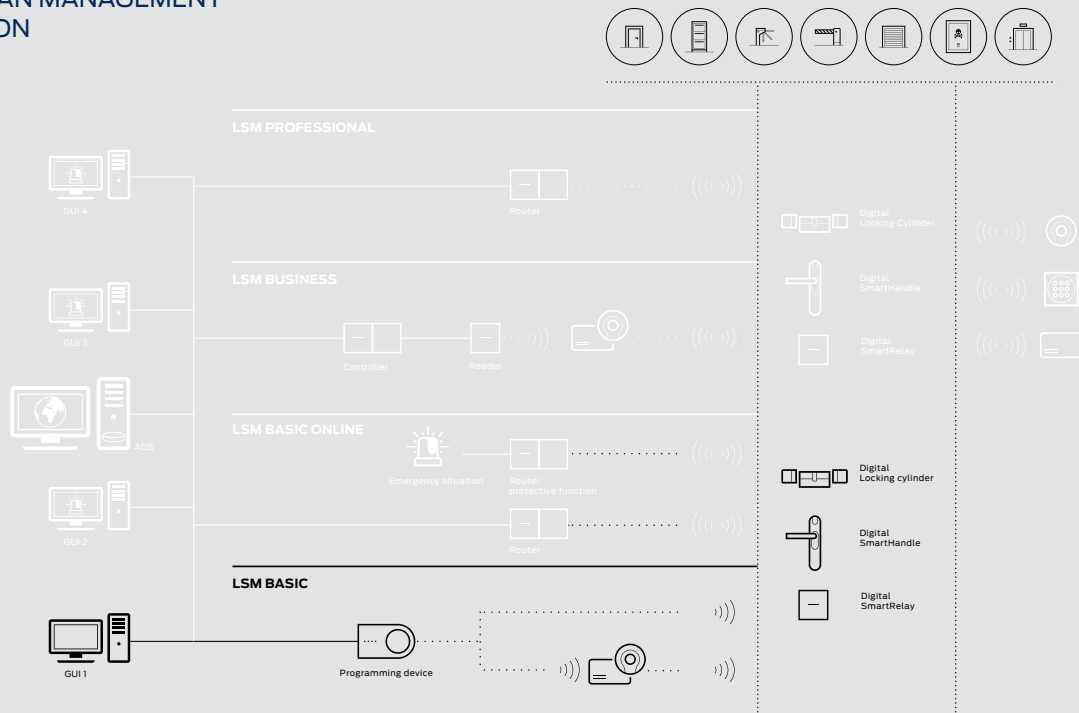




| FUNCTIONS  | LSM EDITIONS |              |          |              |
|--|--------------|--------------|----------|--------------|
|  | Basic        | Basic Online | Business | Professional |
| Use and management of passive identification media | ●            | ●            | ●        | ●            |
| Event logging of changes                           | X            | ●            | ●        | ●            |
| Output of audit-proof reports                      | X            | ●            | ●        | ●            |
| Virtual networking                                 | X            | ●            | ●        | ●            |
| Networking of up to 128 components                 | X            | ●            | ●        | ●            |
| Networking of any number of components             | X            | X            | ●        | ●            |
| ADS database server with different user clients    | X            | X            | ●        | ●            |
| Processing of events                               | X            | X            | ●        | ●            |
| Time-controlled authorisations                     | X            | X            | ●        | ●            |
| Up to 5 subnetworks                                | X            | X            | ●        | ●            |
| Unlimited number of subnetworks                    | X            | X            | X        | ●            |
| Multi-client capable use of different databases    | X            | X            | X        | ●            |
| Working in a terminal server environment           | X            | X            | X        | ●            |
| Automatic data exchange via CSV (SmartXChange)     | X            | X            | ○        | ○            |
| 5 additional user clients / workstations           | X            | X            | ○        | ○            |
| Offline programming on site (LSM Mobile Edition)   | ○            | ○            | ○        | ○            |

● included X not included ○ available as an option

LSM SOFTWARE  
LOCKING PLAN MANAGEMENT  
BASIC EDITION

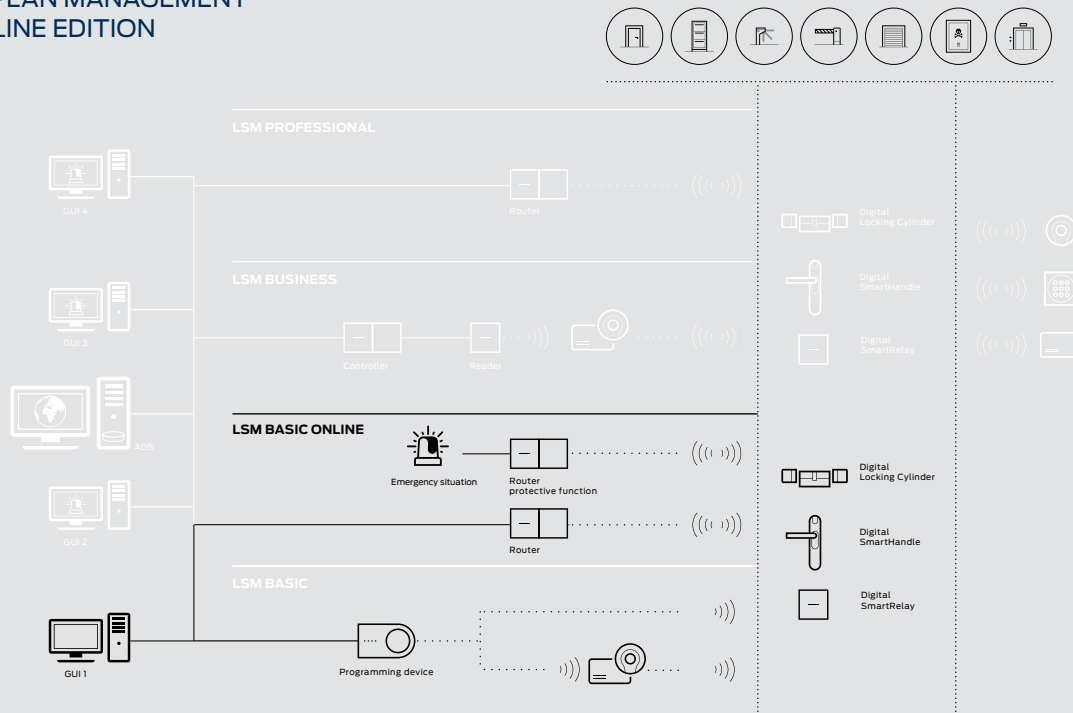


Locking system management, software for controlling and administering the locking system (offline), installation on a PC/Laptop (please note system requirements)

// FUNCTIONS

- :: Single workstation version
- :: Administration of offline components
- :: Local installation of the software and data on one computer
- :: Management of locking systems with up to 64,000 transponders, 64,000 locking devices, 100+1 time zones
- :: Use of several locking systems
- :: Ergonomic data input with function assistant (e.g. creating a new user)
- :: Support of active and/or passive media and locking components
  
- :: MIFARE® Classic, MIFARE Plus® and MIFARE® DESFire®
- :: Transponder groups
- :: Areas for mapping building and organisational structures (first level)
- :: Matrix depiction enable quick and easy Editing
- :: Transfer of existing locking plans (import)
- :: Data exchange with mobile devices (notebook, tablet), programming software LSM Mobile required:
- :: Basis for extending system further
- :: Upgrade to a more powerful edition possible at any time

LSM SOFTWARE  
LOCKING PLAN MANAGEMENT  
BASIC ONLINE EDITION

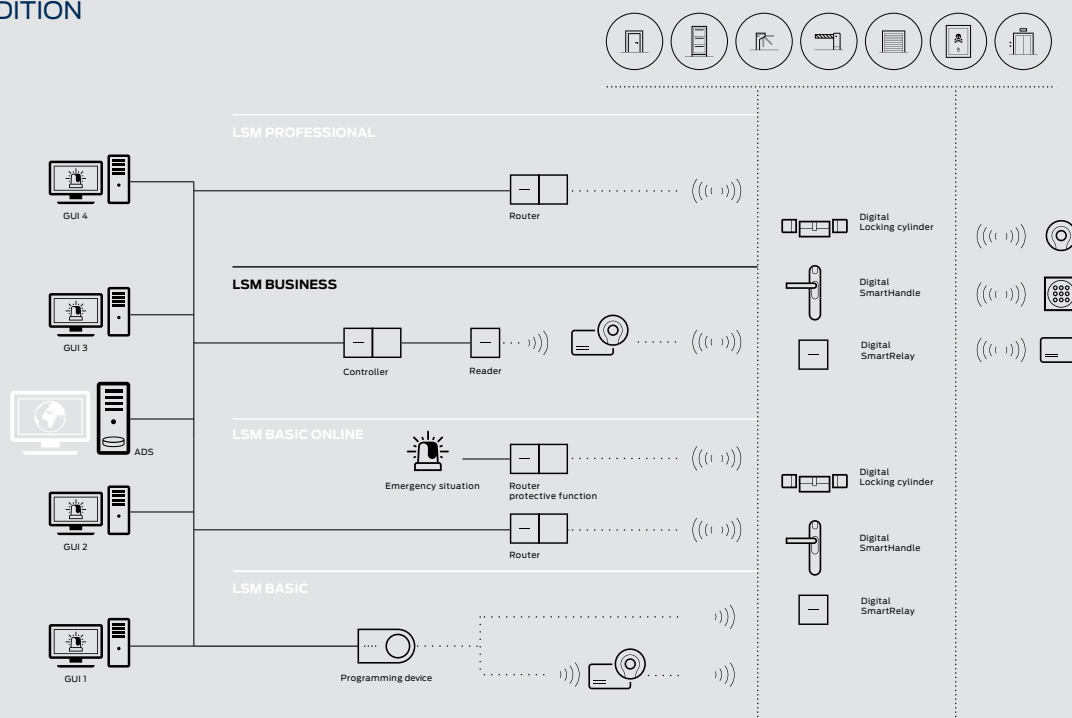


Locking system management, software for controlling and administering the locking system (online/offline), installation on a PC/laptop (observe system requirements), including the LSM Report (comprehensive reporting), LSM Monitor (logging of system changes / revision-proof), LSM Network 128 (networking of max. 128 components)

// FUNCTIONS

- :: Single workstation version
- :: Management of online and offline components
- :: Local installation of the software and data on one computer
- :: Management of locking systems with up to 64,000 transponders, 64,000 locking devices, 100+1 time zones
- :: Use of several locking systems
- :: Ergonomic data input with function assistant (e.g. creating a new user)
- :: Support of active and/or passive media and locking components
- :: MIFARE® Classic, MIFARE Plus® and MIFARE® DESFire®
- :: Up to 128 networked locking components
- :: Transponder groups with overarching authorisations
- :: Areas for mapping building and organisational structures
- :: Matrix depiction enable quick and easy Editing
- :: Transfer of existing locking plans (import)
- :: Data exchange with mobile devices (notebook, tablet), programming software LSM Mobile required:
- :: Extensive reporting
- :: Audit-proof logging of user activities
- :: Smart.Surveil for clean surveillance of door statuses for DoorMonitoring components
- :: Upgrade to LSM Business, LSM Professional possible at any time

LSM SOFTWARE  
LOCKING PLAN MANAGEMENT  
BUSINESS EDITION

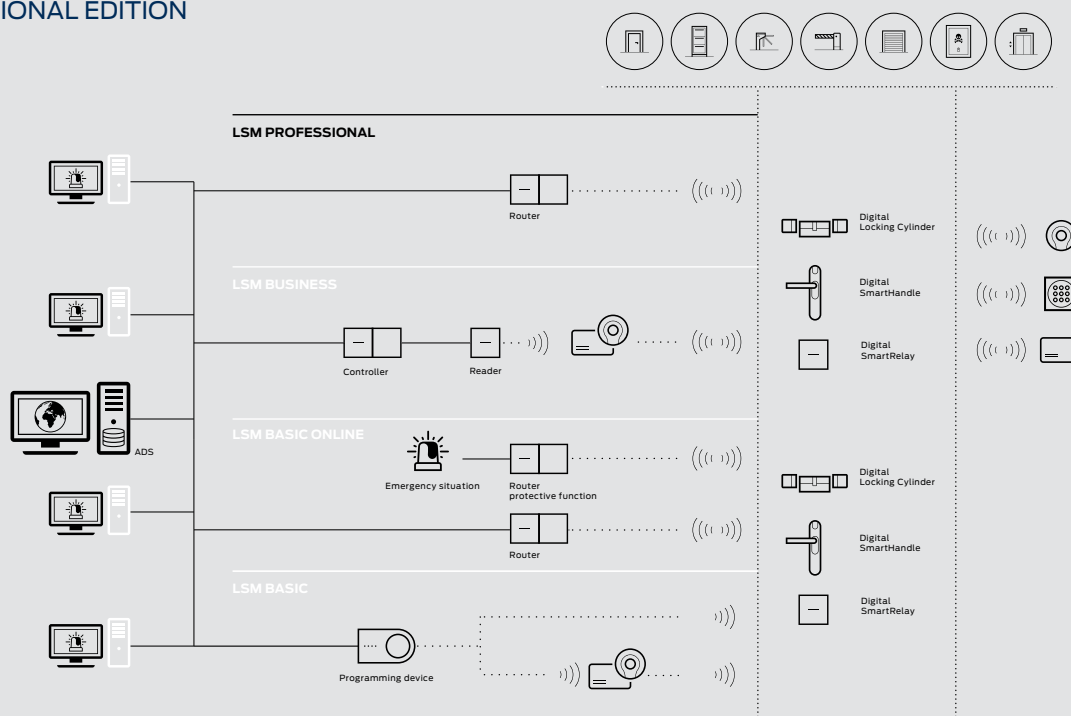


Software for locking system management, client-server system (4+1) incl. the modules LSM Report (comprehensive reporting), LSM Monitor (logging of user activities / audit-proof), LSM Network Enterprise (networking of any number of components), LSM VN Server (virtual networking: Distribution of authorisation information via gateways on identification media), LSM Online (monitoring and processing of network events), LSM Resources Management (time-controlled authorisations), Smart.Surveil for tidy monitoring of door statuses with DoorMonitoring components (database access requires a free user client)

// FUNCTIONS

- :: Client-server system
- :: Multiuser system (decentral system management)
- :: Local installation of client software on up to 4 workstations (extendable)
- :: Secure database operation on a powerful server (Advantage Database Server)
- :: Management of online and offline components
- :: Management of locking systems with up to 64,000 transponders, 64,000 locking devices, 100+1 time zones
- :: Ergonomic data input via function assistants (e.g. creating a new door)
- :: Active and/or passive locking plans supported
- :: MIFARE® Classic, MIFARE Plus® und MIFARE® DESFire®
- :: Direct networking via WaveNet
- :: Virtual networking - distribution of authorisation information via gateways to identification media
- :: Networking of any number of components
- :: Comprehensive reporting
- :: Audit-proof logging of user activities
- :: Monitoring and processing of network events, incl. e-mail messaging
- :: Time-controlled authorisations for locks
- :: Smart.Surveil for tidy monitoring of door statuses with DoorMonitoring components

LSM SOFTWARE  
LOCKING PLAN MANAGEMENT  
PROFESSIONAL EDITION



Software for locking system management, client-server architecture (4+1) in terminal server environment incl. the modules LSM Multi Database (use of several databases), LSM Report (extensive reporting), LSM Monitor (logging of user activities / audit-proof), LSM CommNode Enterprise (direct networking via Wavenet), LSM Network Enterprise (networking of any number of components), LSM VN Server (virtual networking: Distribution of authorisation information via gateways on identification media), LSM Online (monitoring and processing of network events), LSM Resources Management (time-controlled authorisations), Smart Surveil for tidy monitoring of door statuses with DoorMonitoring components (database access requires a free user client)

// FUNCTIONS

- :: Client-server system in terminal-server environment
- :: Multi-user system (decentralised asset management via remote desktop)
- :: Installation of client software on up to 4 workstations (extendible)
- :: Secure database operation on a powerful server (Advantage Database Server)
- :: Use of multiple databases
- :: Management of online and offline components
- :: Management of locking systems with up to 64,000 transponders, 64,000 locking devices, 100+1 time zones
- :: Active and/or passive locking plans supported
- :: Audit-proof logging of user activities and comprehensive reporting
- :: Direct networking via WaveNet and virtual networking via gateways
- :: Networking of any number of components
- :: Monitoring and processing of network events, incl. e-mail messaging
- :: Time restriction on authorisations
- :: Smart.Surveil for clean surveillance of door statuses for DoorMonitoring components

LSM SOFTWARE  
LOCKING PLAN MANAGEMENT



// SYSTEM REQUIREMENTS

General

- ⌘ Local administrator rights for installation
- ⌘ Communication: TCP/IP (NetBios active), LAN (recommended: 100 MBit)
- ⌘ Windows domain (not necessary for individual workstations)
- ⌘ Name resolution
- ⌘ NET Framework 4.0 Client
- ⌘ USB port(s)

Client PC

- ⌘ Monitor at least 48 cm (19") (or larger for displaying the matrix screen)
- ⌘ Screen resolution at least 1024x768; recommended: 1280x1024
- ⌘ Processor: at least 2.66 GHz
- ⌘ At least 2 GB RAM
- ⌘ Hard disk size: about 500 MB (about 1 GB during installation); database depends on the volume of the processed data (about 30 MB)
- ⌘ MS Windows 7/8/8.1/10 (Professional), 64 bit

Server

- ⌘ Processor: at least 2.66 GHz
- ⌘ At least 2 GB RAM
- ⌘ Programme memory about 300 MB (about 500 MB during installation); database depends on the volume of the processed data (about 30 MB)
- ⌘ MS Windows Server 2008, 2008 R2 or 2012, 2016
- ⌘ .NET Framework at least 4.0 if the CommNode Server is used
- ⌘ Server-based database requires Advantage Database Server version 12 release license

Identification media

- ⌘ Active media: SimonsVoss G1 and G2 transponders
- ⌘ Passive media: MIFARE® Classic, MIFARE® DESFire® and MIFARE Plus® Technologie

LSM SOFTWARE  
LOCKING PLAN MANAGEMENT  
EDITIONS



// PRODUCT VERSIONS







|   |                   |
|---|-------------------|
| LSM Starter System 3060 management software for max. 20 locking devices (only G2) and 100 transponders; installation on a PC/laptop (see system prerequisites); the USB config device CD.STARTER. G2 is also required to use the software (not included in the delivery package)  | LSM.STARTER       |
| LSM Basic – System 3060 management software to control and administer the locking system (offline), install on a PC/laptop (observe system prerequisites)   | LSM.BASIC         |
| LSM Basic Online - System 3060 Administration software for controlling and administering the locking system (online/offline), installation on a PC/laptop (note system requirements), incl. the modules LSM Network 128 (network for max. 128 networked components), LSM Report (comprehensive reporting), LSM Monitor (logging of changes to the system in the software/revision-proof), LSM VN Server (virtual networking): Distribution of authorisation information via gateways on transponders/smart cards)   | LSM.BASIC.ONLINE  |
| LSM Mobile – programming software to install on a mobile terminal device (tablet/laptop with Windows operating system) to programme locking devices on site   | LSM.MOBILE        |
| LSM Business - System 3060 management software, 4 user-clients (workstations) included; 1 licence for ADS database, including the modules LSM Report (extensive reporting system), LSM Monitor (to log system changes System in the software to ensure audit compliance), LSM Network Enterprise (network for any amount of network components), LSM VN Server (virtual networking: Distribution of authorisation information via gateways to transponders/smart cards), LSM Online (task, warning and event management, control of SimonsVoss Event Agent, integration of SMS and e-mail functionality), LSM Resource Management (temporary limitation of authorisations) and LSM CommNode 05 clients, including Smart software tool. Surveil to monitor door statuses for DoorMonitoring locking components (database access requires a user-client to be free)   | LSM.BUSINESS      |
| LSM Business - System 3060 management software, 4 user-clients (workstations) included; 1 licence for ADS database, including the modules LSM Report (extensive reporting system), LSM Monitor (to log system changes System in the software to ensure audit compliance), LSM Network Enterprise (network for any amount of network components), LSM VN Server (virtual networking: Distribution of authorisation information via gateways on transponders/SmartCards), LSM Online (task, warning and event management, control of SimonsVoss Event Agent, integration of SMS and e-mail functionality), LSM Resource Management (temporary limitation of authorisations), LSM Terminal Server (use in a terminal server environment), LSM Multi DataBase (use of several different databases) and LSM CommNode Enterprise (any number of CommNode clients), including software tool Smart.Surveil for monitoring door statuses for DoorMonitoring locking components (database access requires a free user client) | LSM.PROFESSIONAL  |
| Database licence extension to include 5 workstations for LSM Business and LSM Professional  | LSM.CLIENT-05     |
| Smart.XChange interface for automatic import and export of personal data, door data and access authorisations using CSV files for LSM.Business and LSM.Professional   | LSM.SMART.XCHANGE |

# SMART SURVEIL



Smart Surveil is a stand-alone software tool for monitoring door statuses. It provides a clear depiction of all events and statuses of locking components with activated DooMonitoring function.

The following is displayed:

-  Door is open
-  Door is closed
-  Door is locked
-  Door is securely locked,
-  Door open too long and
-  manipulation alarm



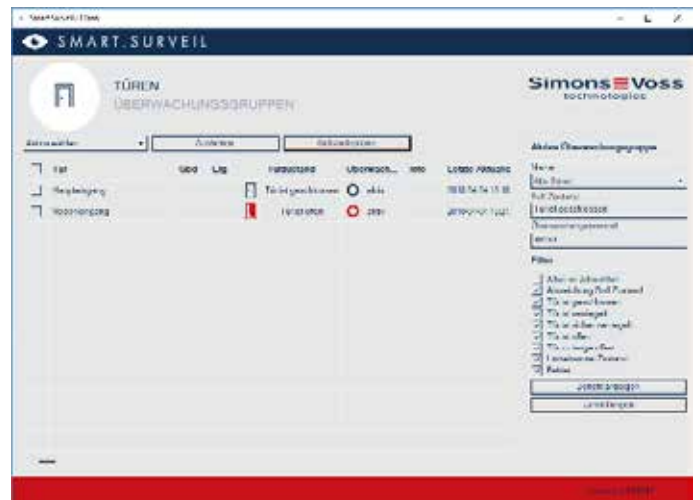
Doors can be grouped into monitoring groups to select specific areas. The groups are assigned a target state (e.g. "Door is securely locked") and optionally a period in which this state is to be set. Doors that deviate from the target state within the planned period can thus be easily identified and checked.

For an even better visualisation, building plans can be read into Smart Surveil and doors including the current status can be placed at the actual location in the building by drag&drop.

The tool is particularly suitable for security services, security guards, gatekeepers, and much more.

## // NOTE

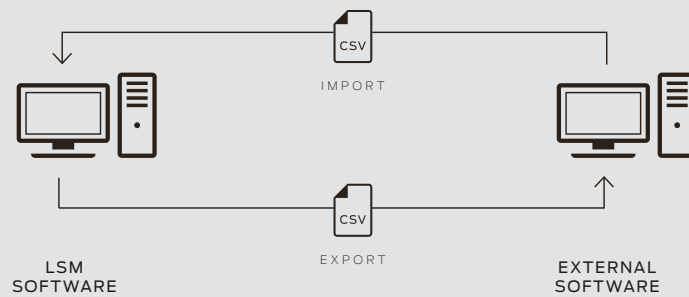
If the tool is used with an LSM with client-server system, it requires a free user client for smooth database access. This theoretically allows follow-up costs but in principle the tool is included free of charge in every LSM installation package.





# SMARTXCHANGE

## CSV INTERFACE



SmartXChange interface for automatic import and export of personal data, door data and access authorisations via CSV files. Can be used, for example, for automatic data transfer between LSM and a facility management software (CAFM). Requires at least LSM Business Edition.



## // FUNCTIONS

- ⌘ Creation and deletion of persons and transponders
- ⌘ Adding doors and locks
- ⌘ Administration of individual authorisations
- ⌘ Administration of group authorisations
- ⌘ Creation of replacement transponders
- ⌘ Automated export of locking system data from the LSM database
- ⌘ Transferring information to third-party software
- ⌘ Saved allocation tables for CSV files
- ⌘ Scheduled tasks
- ⌘ Runs as a Windows system service in the background
- ⌘ Requires at least LSM Business Edition.
- ⌘ Requires a free user client for smooth database access

## // PRODUCT VERSIONS

Smart.XChange interface for automatic import and export of personal data, door data and access authorisations using CSV files for LSM.Business and LSM.Professional

LSM.SMART.XCHANGE

# PROGRAMMING



# PROGRAMMING

Programming Device SMARTCD.MP



There are various options for programming in a locking system, depending on the operating mode:

- ⌘ The locking plan is created and managed in the Locking System Management Software (LSM). The updates are transferred to the locking components using a programming device.
- ⌘ When programming for the first time, we recommend programming directly from the LSM on a PC.
- ⌘ In an offline system, programming tasks for already installed components can be transferred to a tablet (e.g. via WLAN) and easily programmed together with a programming device on site.

- ⌘ In a virtually networked system, the identification media always have the latest data. Here, installed locking components rarely have to be programmed on site.
- ⌘ Networked components can be updated directly online without the help of a programming device, see Multinetworking.
- ⌘ The reading technology (active, passive, hybrid) within the locking system determines the programming device to be used.

## // PROGRAMMING DEVICES

There are three different programming devices in System 3060 for transferring data to the ID media and the locking components:

- ⌘ In active systems, the SmartCD programming device transfers data from the locking plan to transponders and locking components.
- ⌘ For programming the components in passive SmartCard systems, the SmartCD-MP is required analogously.
- ⌘ In hybrid systems, i.e. when transponders and SmartCards are used simultaneously in one system, the SmartCD is required for programming the active components and the SmartCD-HF for programming the SmartCards.

## // ADVANTAGE

Simple and secure transfer of access rights from the PC to identification media and locking components

## // TECHNICAL SPECIFICATIONS FOR SMART CD – G2

- ⌘ For programming transponders and active locking components
- ⌘ Housing made of dark-grey polyamide
- ⌘ Dimensions: 112 x 63 x 22 mm (H x W x D)
- ⌘ Standard protection rating IP 20
- ⌘ Battery type: 2 rechargeable li-ion manganese batteries
- ⌘ Recharged via USB port
- ⌘ Temperature range: -5 °C to +40 °C

## // TECHNICAL SPECIFICATIONS FOR SMARTCD.MP.

- ⌘ For programming SmartCards/SmartTags and passive locking components
- ⌘ Housing made of dark-grey polyamide
- ⌘ Dimensions: 112 x 63 x 22 mm (HxWxD)
- ⌘ Standard protection rating IP 20
- ⌘ Power supply via USB port
- ⌘ Temperature range: -5 °C to +60 °C

## // TECHNICAL SPECIFICATIONS SMART CD.HF

- ⌘ For MIFARE® Classic and MIFARE® DESFire® SmartCards
- ⌘ Can only be used together with SmartCD – G2 to programme hybrid components.

PROGRAMMING



Top:  
Programming Device SmartCD

Bottom:  
SMARTCD.HF programming device

// PRODUCT VERSIONS

Programming Device SmartCD G2 to connect via a USB port on a PC or laptop.

To reserve and read all active locking components in the SimonsVoss System 3060 (locking cylinders, transponders, SmartHandles and SmartRelays). Included in the supplied package: Programming device, USB cable, CD ROM with manual and USB drivers, 2 integrated rechargeable batteries.

Programming device

To connect to a USB port on a PC or laptop. Can also be operated online as a portable device with a netbook.

To programme SimonsVoss SC locking devices and MIFARE® Classic, MIFARE Plus® and MIFARE® DESFire® SmartCards or SmartTags

SMARTCD.G2

SmartCD HF card programming device to programme MIFARE® Classic and MIFARE® DESFire SmartCards/SmartTags.

SMARTCD.HF

Programming Device SmartCD MP to connect to a PC or laptop via a USB port.

To programme and read passive locking components. Included in the supplied package: programming device, USB cable, CD ROM with manual and USB drivers.

SMARTCD.MP

USB config device to programme active G2 components. Connection to a PC via USB port in conjunction with LSM Starter only. Included in the supplied package: Programming device, CD ROM with manual and USB drivers.

CD.STARTER.G2

## PROGRAMMING

Transponder terminal



The transponder terminal is a network-ready, vandal-proof, external programming device for use outdoors. It can automatically re-programme active SimonsVoss transponders without the locking system manager needing to be directly involved the programming process or be present in person on site. If a whole department moves, for example, all SimonsVoss locking system authorisation structures can be flexibly changed over time. The terminal can be used in offline systems and as an extension in virtual networks.



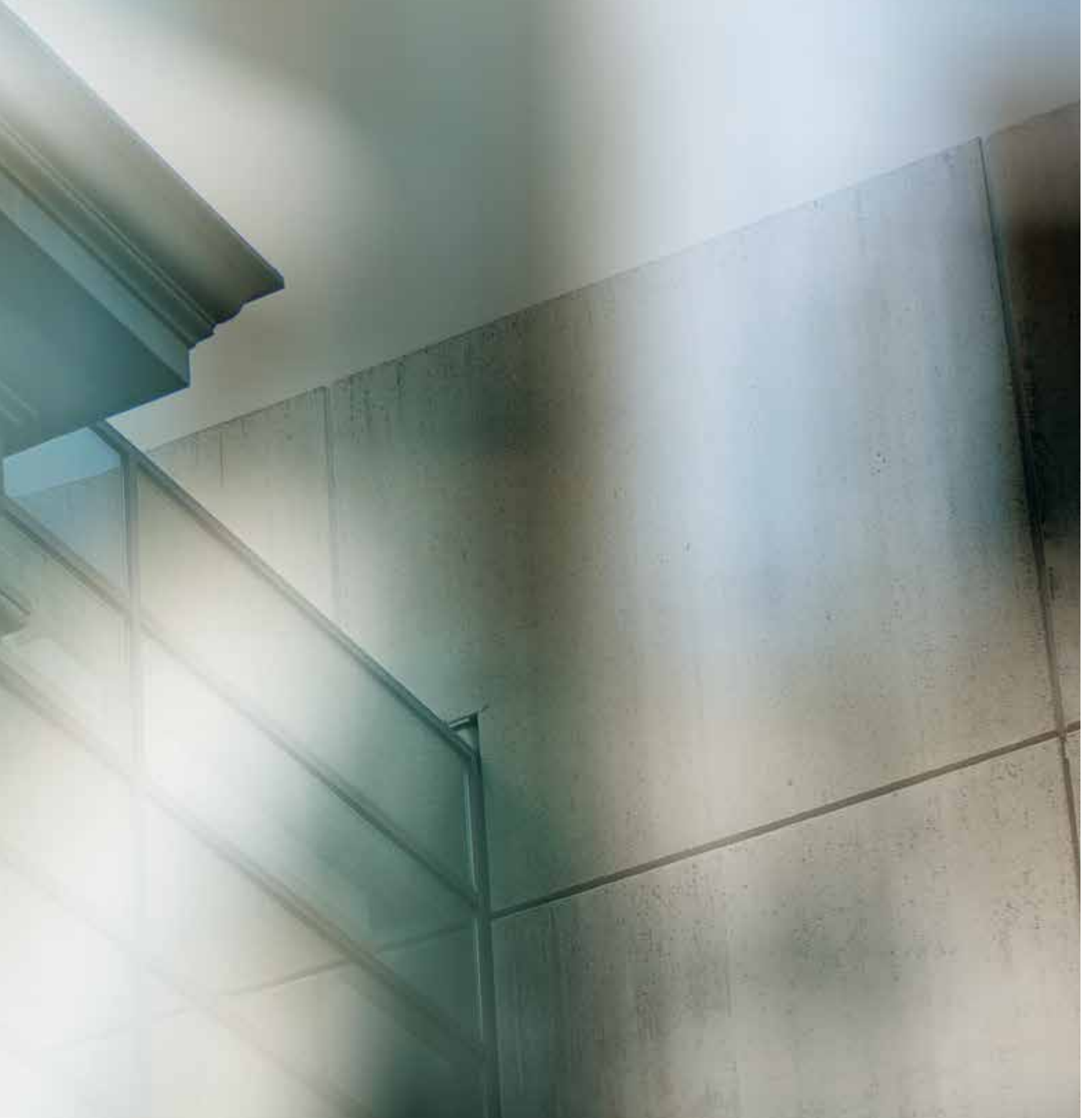
### // PRODUCT VERSIONS

Transponder terminal  
Network-compatible, vandalism-resistant programming device for outdoor areas  
to reprogramme transponders in offline or VN systems

TRATERM

# SUPPORT





# SERVICES AND TRAINING

## SERVICES

|  |          |
|--|----------|
| On-site project work   | PROJECT  |
| Initial operation of components on site                          | INSTALL  |
| On-site product and software training for the system             | TRAINING |
| Services performed on service visit according to service report, | DIENST   |

## TRAINING IN MUNICH

|  |                 |
|--|-----------------|
| Product training on new products (1 day)     | TRAINING.NEU    |
| Product Training Level 1 (2 days)            | TRAINING.1      |
| Product Training Level 2 (2 days)            | TRAINING.2      |
| Technical training LSM Professional (2 days) | TRAINING.LSMPRO |

## SAMPLE CASE

|  |                  |
|--|------------------|
| Case without samples<br>(aluminium case 440 x 330 x 80 mm) | KOFFER.3060.PZ.U |
| Equipped sample case Euro Profile<br>(440 x 330 x 80 mm)   | KOFFER.3060.PZ.B |

## DEMO MODELS

|   |                    |
|---|--------------------|
| Demo model of digital locking cylinders with standard fittings  | MOCKUP.G2          |
| Demo model of digital locking cylinder with standard fittings; can be operated with transponders and SmartCards/SmartTags | MOCKUP.Z4.MH       |
| SmartHandle AX demo model, suspended variant, white   | MOCKUP.SV-S2.A1.AM |
| SmartHandle AX demo model, stationary variant, white  | MOCKUP.SV-S2.A0.AM |
| SmartHandle demo model – DoorMonitoring active  | MOCKUP.SH.DM.A     |
| SmartHandle demo model – DoorMonitoring passive   | MOCKUP.SH.DM.M     |
| Demo model of SmartHandle 3062 – G2   | MOCKUP.SH.G2       |
| Demo model of SmartHandle 3062 – Hybrid – G2; can be operated with transponders and SmartCards/SmartTags                  | MOCKUP.SH.MH.G2    |
| Sturdy aluminium case for demo models   | MK                 |





# SIMONS VOSS WORLDWIDE

## GERMANY CENTRAL:

SimonsVoss  
Technologies GmbH  
Feringastrasse 4  
85774 Unterföhring

Tel. +49 89 99228-0  
Fax +49 89 99228-222  
vertrieb@simons-voss.com  
info@simons-voss.com  
www.simons-voss.de

## GERMANY

PRODUCTION:  
SimonsVoss  
Technologies GmbH  
Lindenstrasse 6  
06721 Osterfeld  
OT Kleinhelmsdorf

## BENELUX

SimonsVoss Technologies B.V.  
The Base B  
Evert van de Beekstraat 104  
1118 CN Schiphol  
The Netherlands

Tel. +31 20 6541882  
Fax +31 20 6541801  
benelux@simons-voss.com

## FRANCE

SimonsVoss  
Technologies SAS  
Immeuble  
« Les Portes de Paris »  
1/3, Rue du Rempart  
93160 Noisy le Grand

Tel. +33 1 48151480  
Fax +33 1 45922854  
france@simons-voss.com

## THE UK

SimonsVoss Technologies Ltd.  
1200 Century Way  
Thorpe Park, Colton  
Leeds LS15 8ZA

Tel. +44 113 2515 036  
Fax +44 113 2515 360  
uk@simons-voss.com

## ITALY

SimonsVoss  
Technologies GmbH  
Via Torino 2  
20123 Milano

Tel. +39 02 72 54 67 63  
Fax +39 02 72 54 64 00  
italy@simons-voss.com

**NORDIC COUNTRIES**  
SimonsVoss Technologies AB  
Ostermalmstorg 1  
Stockholm 114 42  
Sweden

Tel. +46 850 25 66 63  
Fax +46 850 25 65 00  
nordic@simons-voss.com

**AUSTRIA**  
SimonsVoss  
Technologies GmbH  
Kärntner Ring 5-7  
1010 Vienna

Tel. +43 1 2051160-1146  
Fax +43 1 2051160-1008  
austria@simons-voss.com

**MIDDLE EAST**  
SimonsVoss Technologies  
(Middle East) FZE  
P.O. Box 184220  
Dubai UAE

Tel. +971 4 8815835  
Fax +971 4 8815836  
uae@simons-voss.com

**ASIA**  
SimonsVoss  
Security Technologies  
(Asia) Pte. Ltd.  
178 Paya Lebar Road  
#04-10 Paya Lebar 178  
Singapore 409030  
Republic of Singapore

Tel. +65 6227 7318  
Fax +65 6227 7018  
asia@simons-voss.com



## This is SimonsVoss

SimonsVoss, the pioneer in remote-controlled, cable-free locking technology provides system solutions with a wide range of products for SOHO, medium and large-sized businesses as well as public institutions. SimonsVoss locking systems combine intelligent functionality, high quality and award-winning design Made in Germany. As an innovative system provider, SimonsVoss focuses on scalable systems, high security, reliable components, powerful software and simple operation. As such, SimonsVoss is regarded as a technology leader in digital locking systems. Our commercial success lies in the courage to innovate, sustainable thinking and action, and heartfelt appreciation of employees and partners.

SimonsVoss is a company in the ALLEGION Group, a globally active network in the security sector. Allegion is represented in around 130 countries worldwide ([www.allegion.com](http://www.allegion.com)).

### SimonsVoss Technologies GmbH

Feringastrasse 4  
85774 Unterföhring  
Germany  
Tel. +49 89 99 228-0  
Fax +49 89 99 228-222  
[info@simons-voss.com](mailto:info@simons-voss.com)  
[www.simons-voss.com](http://www.simons-voss.com)

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