DIGITAL LOCKING AND ACCESS CONTROL SYSTEM 3060.

THE FINEST IN KEYLESS SECURITY

July 2015
01 COMPANY

02 SYSTEM 3060 :: OVERVIEW

03 SYSTEM 3060 :: ACTIVE TECHNOLOGY

04 SYSTEM 3060 :: PASSIVE SMART CARD-TECHNOLOGY

05 SYSTEM 3060 :: MULTI-NETWORKING

06 SYSTEM 3060 :: LSM SOFTWARE
COMPANY SIMONS VOSS.
EUROPEAN TECHNOLOGY LEADER FOR DIGITAL LOCKING AND ACCESS CONTROL SYSTEMS.

- Founded in 1995
- Market entry in 1998
- Sales 2014: 51,6 million Euro
- 275 employees
- Headquarters: Unterfoehring, DE
  Production site: Osterfeld, DE
- Worldwide subsidiaries
- Certified to DIN ISO 9001 and 14001

SUCCESSFUL MARKET POSITIONING*

- Security Market
  TOP 50* position World
- Market sector
  electronic access control
  TOP 3** position Europe

INSTALLATIONS.
- 12,000 systems | EUR 450 Mio.

ACCUMULATED SHIPMENTS.
- 1,200,000 cylinders/ readers
- 3,500,000 transponders

*A&S International Issue 11/2014
**IMS Research | Access Control Market Research 2011
COMPANY SIMONS VOSS. WORLDWIDE LOCATIONS.

Great Britain
Netherlands
Belgium
France
Italy
Germany
Unterfoehring
Osterfeld
Russia
Moscow
Austria
Switzerland
Middle East
Dubai
Singapore
Malaysia
PRODUCTION | MADE IN GERMANY.

- Production area 1,500 sq. m.
- 80 employees
- Cylinder assembly
- Programming of electronic components
- Central logistics for all SV products
- Process reliability
- World-wide delivery hub
- New production site in Osterfeld, Saxony-Anhalt
OUR PHILOSOPHY.
WE CREATE YOUR KEYLESS WORLD.

- One system for all applications
- Open system platform
- Tailored to customer needs
- Maximum security
- Simple to install
- Highly convenient operation
- Clear planning approach
- Plug-and-play processes
- Low operational costs
COMPANY SIMONS VOSS.
THE PERFECT LOCKING AND ACCESS CONTROL.

CONVENTIONAL MECHANICAL LOCKING SYSTEMS.
+ Low system cost
+ Low installation costs
– No flexibility, high life cycle & admin costs
– No ‘Smart functions’

CONVENTIONAL ELECTRONIC ACCESS CONTROL.
+ Flexible, low admin cost
+ Smart functions
– High system costs
– High installation costs due to separation of reading, evaluation and locking functions

DIGITAL LOCKING & ACCESS CONTROL SYSTEM.

Convergence of reading, evaluation and locking function into a single compact system

+ Moderate system costs
+ Low installation costs
+ Low admin costs
+ Smart functions
THE COMPANY SIMONS VOSS.
WE CREATE YOUR KEYLESS WORLD.

POWER OF INNOVATION

QUALITY

SECURITY

FIRST-CLASS DESIGN

USER FRIENDLINESS

COST EFFECTIVENESS

SUSTAINABLE INVESTMENT

MADE IN GERMANY
REFERENCES.
CUSTOMERS | ALL AREAS AND INDUSTRIES.
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DIGITAL LOCKING AND ACCESS CONTROL SYSTEM 3060.

- Electronic alternative to a mechanical locking system
- Provides all the functions of a classical access control system
- Active and passive ID media replaces mechanical keys
- Digital locking cylinder, escutcheons and intelligent relays as access components replace the mechanic locking cylinder
- Data is transferred by radio communication (Frequency range of 25 kHz)
- Plug and Play: Simple integration of other system components
THE FINEST IN KEYLESS SECURITY.

- Quick, wireless installation
- Simple adaptation through a modular structure: suits everything from a simple digital locking system for individual doors to a networked PC-controlled access control system
- Data transfer by radio frequency allows immediate blocking of identification credentials
- Central control
  Changes can be made online from anywhere in the world in real time
- High cost-effectiveness
  Moderate system cost, low installation and administration costs
OVERVIEW.
DIGITAL LOCKING AND ACCESS CONTROL SYSTEM 3060.

<table>
<thead>
<tr>
<th>TRANSPONDER</th>
<th>DIGITAL CYLINDER</th>
<th>SMART HANDLE</th>
<th>SMART RELAY</th>
<th>MULTINetworkING</th>
<th>SOFTWARE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMART CARD</td>
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<tr>
<td>MOBILE KEY</td>
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<tr>
<td>MULTINetworking</td>
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</tbody>
</table>

TAP ON PICTURE TO START MOVIE
SPECIAL CHARACTERISTICS G2.

- Programming can be performed using the media (transponders, smart cards, smart tags and similar) or the locking devices, depending on which method involves less work for system management.
- If authorisations differ between the medium and the locking device, the data programmed last are considered valid.
- If active transponders are used, these will ensure that the time is checked in the locking devices and corrected if necessary.
- G2 systems can be networked virtually.
- Changes to authorisations are only updated in the media in virtually networked systems.
- Up-to-date information is exchanged between the media and the locking devices when online doors are opened or closed in virtually networked systems.
Performance characteristics of G2-based systems

- 64,000 locking devices per system
  - 64,000 transponders/smart cards per locking device
  - 1,000 accesses can be stored on transponder per system
  - 100 time zones can be managed
  - 304,000 locking devices per transponder
  - 32,000 locking devices per smart card
  - 3,000 access events can be stored on a locking device
  - 3,600 on an SREL
ACTIV TECHNOLOGY.
IDENTIFICATION MEDIA AND THEIR PROGRAMMING.
ACTIVE TECHNOLOGY.
ID MEDIA | MULTIPLE APPLICATIONS.

- TRANSPONDER 3064.
- PIN CODE KEYPAD AND TERMINAL 3068.
- BIOMETRIC READER Q3008.
- SMART CLIP 3069.
- SMART CD.
- CD.STARTER.G2

The finest in keyless security.
IDENTIFICATION MEDIA AND THEIR PROGRAMMING:
DIGITAL ACCESS COMPONENTS | JUST INTEGRATE AND OFF YOU GO.

DIGITAL LOCKING CYLINDER 3061.

DIGITAL SMART HANDLE 3062.

DIGITAL SMART RELAY 3063.
DIGITAL LOCKING CYLINDER 3061.
Digital euro profile double knob cylinder

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, such as access control 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.
DIGITAL LOCKING CYLINDER 3061.
EURO PROFILE DOUBLE KNOB CYLINDER – DOOR MONITORING.

LOCKING CYLINDER WITH DOOR MONITORING FUNCTION.

- The DoorMonitoring cylinder extends lock and access control to include the DoorMonitoring function
- An sensor in the fastening screw reliably monitors whether the door is open or closed
- The innovative cam control function detects whether the dead bolt is fully extended or retracted
- Events and breakdowns are reported to a main control centre via SimonsVoss WaveNet
- Perfect integration into the SimonsVoss Locking-System Management-software (LSM)
- Can be installed in just 10 minutes without wiring
- Smallest and most extensively integrated door monitoring system in the world
DIGITAL LOCKING CYLINDER 3061.

EURO PROFILE DOUBLE KNOB CYLINDER – DOOR MONITORING.
ACTIVE TECHNOLOGY.
DIGITAL SMART HANDLES 3062.
INTELLIGENT FUNCTIONALITY.

- The SimonsVoss digital door fitting combines intelligent access control functions with an elegant and ergonomic design. Behind its slim, flat exterior lies highly innovative technology.

- In developing the new Smart Handle 3062 door fitting we focussed in particular on the requirements for use in the Education, Healthcare and Residential sectors. In addition to active technology, Smart Handle is also available in a Smart Card version and can be used with doors fitted with Euro profile cylinders, Swiss round, British oval and Scandinavian oval mortise locks.
SMART HANDLE | SNAP IN ASSEMBLY.
EASY INSTALLATION WITHOUT DRILLING.
ACTIVE TECHNOLOGY.
DIGITAL SMART RELAY 3063.
DIGITAL SMART RELAY 3063.
A REAL ALL-ROUNDER.

DIGITAL SMART RELAY 3063.
DIGITAL SMART RELAY 3063.

For integrating with:
- Electrical door-openers/strikes
- Garage doors, rolling gates, Barriers
- Elevators
- Machinery
- External systems such as time and attendance
- Cashless vending
- With audit trail and time zone management
PASSIVE SMART CARD-TECHNOLOGY.
IDENTIFICATION MEDIA AND THEIR PROGRAMMING.
IDENTIFIKATION MEDIA.
PASSIVE SMART CARD-TECHNOLOGY.

COMPACT READER 3078.
SMART READER.
MOBILE KEY.
SMART CARD.
SMART TAG.
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 larger than a conventional digital locking cylinder and is powered in the same way, using standard button cells.
OTHER PRODUCTS.

DIGITAL PADLOCK.

TECHNICAL SPECIFICATIONS.

- Shackle diameter: 11 mm
- Padlock 2 – PL2: non-self-locking
- Padlock 3 – PL3: self-locking
- Inside height of shackle: PL2: 35 mm; PL3 (self-locking) 50 mm
- Protection rating: IP66
- Battery life: Up to 65,000 operations or 6 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: 5+1 (G1), 100+1 (G2)
- Up to 64,000 smart cards can be managed per padlock
  (depending on the configuration / template)
- Up to 64,000 locking devices can be managed per smart card
  (depending on the configuration / template)
- Network-ready with integrated LockNode
- Freely configurable
WAVE NET RADIO NETWORK 3065.
MODE OF OPERATION.
MULTI-NETWORKING.
WAVE NET RADIO NETWORK 3065.

- Simple retrofitting of locks
- Networking without cabling at the door
- Automatic configuration of network infrastructure
- One router:
  - Can manage up to 250 access points
  - Has a range of up to 30m radius
- Solutions for all standard transmission technology (TCP/IP, RS485, WLAN, SRD)
- Data exchange in real time
- Event manager (Email/ SMS)

→ ALL LOCKS CAN BE NETWORKED!
WAVE NET RADIO NETWORK 3065.
ELEMENTS OF NETWORKING.
MULTI-NETWORKING
WAVE NET NETWORK 3065.

VARIOUS SOLUTIONS.

- Universal plug-and-play network for easy installation
- Online administration and remote control, regardless of transmission method
- Programming and management of locking system
- Event manager (text message, e-mail function) with Real Time Event
- Remote monitoring of doors
- Remote opening of doors
### WAVE NET RADIO NETWORK 3065.

**WAVE NET ROUTER – PROTECTIVE FUNCTION.**

**INPUT-Event**

<table>
<thead>
<tr>
<th>Event</th>
<th>Action</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Armed</td>
<td>Activate contact</td>
<td>all locking devices are deactivated</td>
</tr>
<tr>
<td>Disabled</td>
<td>Activation of locking devices using LSM or transponder activation</td>
<td>all locking devices are activated</td>
</tr>
</tbody>
</table>

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**EMERGENCY RELEASE.**

1. Activate contact
   → all locking devices are permanently enabled
2. Disable:
   Remote opening by LSM or router with protection function

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**THREAT.**

1. Activate contact
   → all locking devices are deactivated
2. Activation of locking devices using LSM or transponder activation

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**REMOTE OPENING.**

1. Activate contact
   → all locking devices are enabled based on time control
2. Disable:
   Time-controlled by locking device

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**BLOCK LOCK.**

1. Armed
   → all locking devices are deactivated
2. Disabled
   → all locking devices are activated
WAVE NET RADIO NETWORK 3065.

WAVE NET ROUTER – PROTECTIVE FUNCTION.

OUTPUT-Event

ENTRY AUTHORISED.
1. Authorised transponder
2. Information is transmitted via router with protection function (output)
3. Building systems are activated → Light and air conditioning

ENTRY NOT AUTHORISED.
1. Non-authorised transponder
2. Information is transmitted via router with protection function (output)
3. Camera is activated

ANALOGUE INPUT.
- Threshold value
- Setting a voltage: example < 3 > 5 Volt → then triggered e.g. tank content monitoring

THIRD-PARTY SYSTEMS.
- Wiegand, 26 bit, 32-bit
- Omron, Primion, Siemens CerPass, Gantner Legic, Kaba Benzing, Isgus
- TCP/IP or RS485
LSM – LOCKING SYSTEM MANAGEMENT SOFTWARE.

EFFECTIVE USE OF INTELLIGENT SYSTEM COMPONENTS.

- Use the mouse to create the locking plan in Windows with ease
- All standard functions possible with a click of the mouse
- Program individual components online via the wireless network or offline using a programming device
- Modular design, variety of software editions for large and small locking systems
- Multi-user- and multi-client-enabled
LSM – LOCKING-SYSTEM-MANAGEMENT-SOFTWARE. OVERVIEW EDITIONS AND MODULES.
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