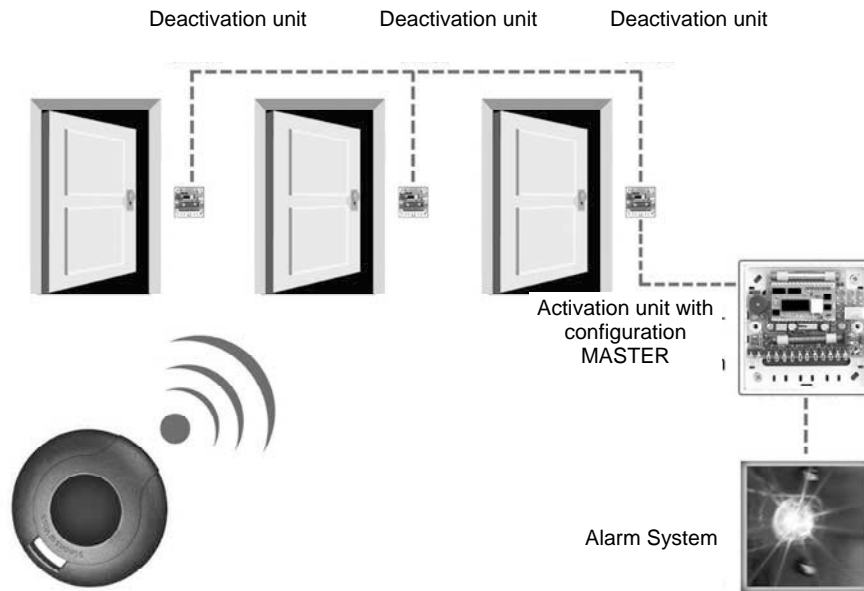


VdS Shuntlock Function 3066 Operator Instructions



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VdS Shuntlock Function 3066 Operator Instructions

1. Shuntlock Function 3066 System Components

In objects protected by the alarm, measures must be taken to prevent any unintentional entry of the secured area when the alarm system is activated externally (burglar alarm system, BAS) because this would trigger a false alarm. The Shuntlock Function 3066 implements such a feature without extensive work on the door or doorframe.

The following components are needed for this:

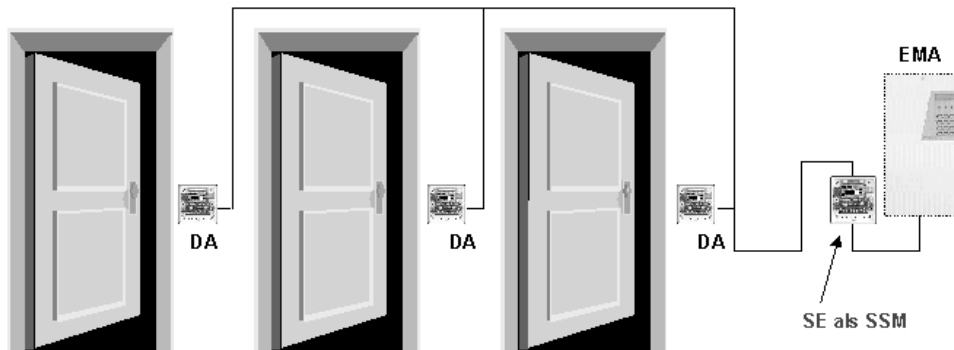
1. Activation unit(s) (MA and SA)

Such a unit is used to switch the alarm system. You need at least one activation unit (AU) to activate and deactivate the system externally. If you want to be able to activate/deactivate from several locations, you need the corresponding number of activation units. With a mouse click in the locking plan, you can issue the authorizations for activating and deactivating the alarm system.

Basically, there is a difference between the master activation unit (MA) and the slave activation units (SA). The SAs are needed only if you want to activate/deactivate from more than one location. It is always the MA that activates/deactivates the alarm system externally over a floating contact. SAs only send the appropriate requests to the MA. You can also activate internally by using SAs that are separately connected to the internal activation connection of the burglar alarm center (BAC).

2. Deactivation units (DA)

These are installed next to the doors of the secured area (and in the immediate vicinity of the digital cylinder). They make sure that even an authorized transponder cannot open these doors accidentally if the alarm system has been activated externally. This reliably prevents false alarms.



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2. Shuntlock Function 3066 Operation

Switching on the alarm system (burglar alarm system, BAS)

The person with switching authorization presses his or her transponder two times in quick succession (within 2 sec.) near an activation unit. This sends a signal to all deactivation units present. If lock contacts are connected to the deactivation units, the DAs first check whether the doors have been correctly locked. The digital locking cylinders or Smart Relays are not deactivated unless this is the case, so that it is no longer possible to enter the secured area. The activation unit does not receive a positive acknowledge until all lockings have been successfully deactivated. It then uses a floating contact to activate the alarm system externally (compelled signaling). The light emitting diodes on the activation units signal this by lighting for 2.5 seconds. The light emitting diode(s) of the deactivation unit(s) go out. **The BAS** acoustically shows that the activation has occurred - for example, on the activation unit.

Switching off the alarm system

The person with switching authorization again presses his or her transponder twice in quick succession within the transmitting range of the activation unit. The deactivation units signal this to the digital locking cylinders or digital Smart Relays. **The BAS** acoustically signals the successful deactivation. The LEDs on the activation units signal that the activation has occurred by blinking 1 x short-long. The LEDs on the deactivation unit(s) light again. (The LEDs on the deactivation units are used only for testing purposes, so they do not have to be brought out). Now it is possible to access the doors again with all authorized transponders.

- ☺ In network operation, (not VdS), you can do without deactivation units. In this case, the network nodes take care of activating and deactivating the locking.
- ☺ By simply clicking the transponder button within the transmitting range of activation units, you can determine the activation state of the alarm system if the LEDs on the activation units are brought out.
 - 1 x short-long blinking means "deactivated",
 - 1 x long (2.5 sec.) blinking means "activated".

VdS Shuntlock Function 3066 Operator Instructions

Activation transponder

For emergencies, you can use the locking plan software to program a transponder that cancels the deactivation of the locking cylinder so that the doors can be opened with an authorized transponder. The alarm system, however, remains activated externally and the alarm will be triggered.

Special model

If you want to keep a log of who switched the alarm system and when, you need an activation unit with access logging (PLUS version).

- **PLUS activation unit**

Design is similar to the standard version, but with access logging and time zone control.

Access logging

The activation unit stores the last 128 accesses with date, time and the user name of the transponder. You can read out the data with the programming device or over the network.

Time zone control

You can program activation units in such a way that authorized transponders can switch the alarm system at certain times only.

VdS Shuntlock Function 3066 Operator Instructions

Safety remarks

- Read through the operating manual carefully and thoroughly before putting the shuntlock components into operation. This manual contains important information on operation and programming.
- The components are built in accordance with the latest state of the technology. Use them only as instructed and only when they are in perfect technical condition and are properly installed according to the technical specifications.
- The manufacturer is not liable for damages that are caused by use that does not comply with the directions.
- Keep the documentation that comes with the product and system-specific notices in a safe place.
- Only trained experts are authorized to perform installation, programming and repair work.
- Soldering and connection work within the entire system must be performed only when the system is voltage-free.
- Soldering work must be performed with a temperature-controlled soldering iron that is metallically separated from the power system.
- Observe VDE safety regulations and regulations of the local electric utility.
- Do not use the components in areas subject to explosion hazards or in areas with fumes that dissolve metal or plastic.
- DIN norms and the guidelines of VDS Class C must be adhered to.

VdS Shuntlock Function 3066 Operator Instructions

3. Special Versions of the Shuntlock Function 3066

3.1. Operating the Activation Unit Without a Deactivation Unit

If you want to activate and deactivate the burglar alarm system externally with the transponder instead of with a key, you only need a master activation unit (MA). In this case, however, you will lose the true purpose of the shuntlock function.

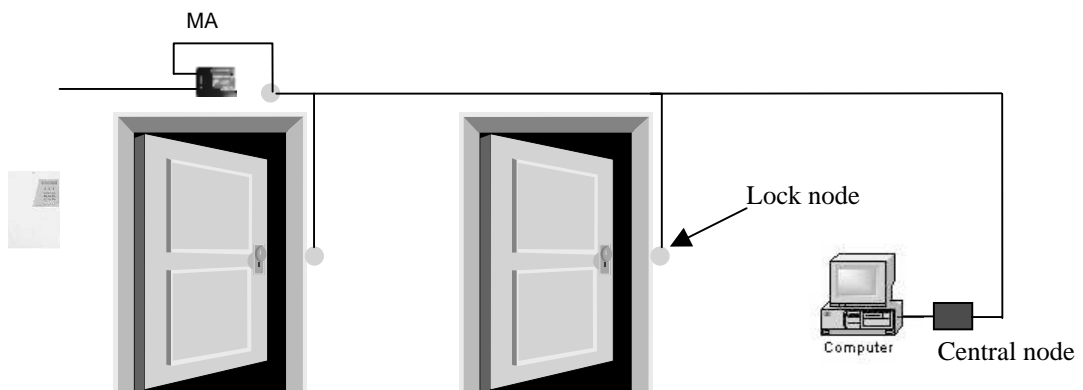
3.2. Operating the Deactivation Unit Without an Activation Unit

If you continue to operate the alarm system with a standard key, you can do without the activation unit. In this case, the BAS controls the deactivation units.

3.3. Shuntlock Function in Network Operation (not VdS)

In network operation, you do not need the deactivation unit(s). The lock node, which is installed in the immediate vicinity of the digital locking, does the activating and deactivating. The alarm system is still switched with a master activation unit (MA). A network node is placed near the Smart Relay or activation unit. With the help of the Event Manager, this node is configured in such a way that its switching inputs are constantly monitored (see Software Operating Instructions).

Example:



VdS Shuntlock Function 3066 Operator Instructions

4. Data Sheet

MA, SA and DA	Operating voltage Current consumption	8 to 16 Volts DC < 30 mA
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Applied relay for switching output	Max. continuous current	1 A
	Max. switch on current	1 A
	Max. switching voltage	40 V AC
	Max. switching capacity	30 W / 60 VA

Tamper contact	Make contact	1 A / 30 V DC
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Transponder range with extended antenna		1 - 3 cm
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Temperature range	-10°C to +55°C (14°F to +131°F)	
Degree of protection	VdS environmental class II	

Housing	Material	S-B or A-B-S
	Color	White
	Dimensions	85 mm x 85 mm x 26 mm [L/W/H]

Article description	_____
Article number	_____
VdS no.	G 101 160