Product catalogue:
GENIUS and A-opener — Multi-point locks with electromechanical drive and access control systems
In this product catalogue you will learn more about multi-point locks with electromechanical drive and access control systems.
GENIUS — Multi-point lock with electromechanical drive.

GENIUS: electromechanical locking and unlocking.
This is the multi-point lock for superior comfort demands. GENIUS has an integrated electronic control system and an electronically controlled gear motor. The powerful motor ensures a perfect tight closing of the door as well as fast and quiet door locking and release. GENIUS can be combined with numerous external access control systems.

GENIUS PANIC multi-point lock:
For use in escape and rescue route doors as per EN 179 and EN 1125, emergency power supply required.*

GENIUS is available in four versions:
- GENIUS EA: Release from inside via pushbutton
- GENIUS EB: Release from inside via pushbutton. It can be combined with an external clock timer or external systems such as a motorised door drive or an alarm system
- GENIUS CA: similar to version GENIUS EA, but also with the "comfort" option — release via the lever handle on the inside of the door
- GENIUS CB: similar to version GENIUS EB, but also with the "comfort" option — release via the lever handle on the inside of the door. It can be combined with an external clock timer or external systems such as a motorised door drive or an alarm system.

* You can find more information in our "Life Saver" catalogue.
A-opener: mechanical locking part electromechanical release.
This is the easy and efficient motor for sophisticated comfort and convenience. The A-opener, too, is equipped with integrated control electronics and a powerful motor. The A-opener ensures quick release. Likewise, the A-opener can also be combined with external access control systems.

The A-opener can be retrofitted on the KFV multi-point locks AS 3500 and AS 3600.
Overview of functions and fittings.

<table>
<thead>
<tr>
<th>FUNCTIONS</th>
<th>GENIUS Type EA</th>
<th>GENIUS Type CA</th>
<th>GENIUS Type EB</th>
<th>GENIUS Type CB</th>
<th>A-opener</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation width from 16 mm faceplate</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Installation depth from 35 mm backset</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Can be combined with standard fittings</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Openings to attach rosettes from 45 mm backset</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Mechanical locking part</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>●</td>
</tr>
<tr>
<td>Electromechanical locking part</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Manual locking and release via cylinder even during a power failure</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Gear in the main lock for forceful manual deadbolt and latch operation</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Permanent locking monitoring system (incomplete deadbolt throw is indicated acoustically)</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Operating modes:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Safe function: the electromechanical back stay extension is activated every time the door goes into the frame</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Vario function: the electromechanical back stay extension is deactivated, the door still stays closed by the latch</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Electromechanical opening via potential-free contact (push-button) of the external access control systems (e.g. transponder, wireless, fingerprint, Bluetooth, etc.)</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Radio transmitter operation (can be operated from inside and outside)</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Operation via transponder</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Operation via fingerprint recognition</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Operation via KFVkeyless</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Operation via GSM module (phone remote unlocking possible)</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Safety/vario mode via external clock timer</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>●</td>
</tr>
<tr>
<td>Combination with external systems (e.g. motorised door drive or alarm system)</td>
<td>○</td>
<td>○</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&quot;Comfort&quot; option via the lever handle on the inside of the door (not available for the A-opener when it is locked by the cylinder)</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

● These operating modes are available ex-works.
○ Additional accessories are required for these operating modes.
Components of a GENIUS or A-opener set:

1. GENIUS multi-point lock with mounted motor or multi-point lock with A-opener
2. Magnet on the frame side for the reed contact (only for GENIUS)
3. Power supply
4. Cable transfer
5. Access control system
6. Accessories (optional see 6.1 and 6.2)

The following GENIUS accessories are available as an option:
- Power supply with battery backup for power failure (mandatory for motor GENIUS PANIC multi-point locks), order 2 rechargeable batteries separately
- Coupling relay to connect an E opener signal to GENIUS
- Clock timer
- Push-button inside (GENIUS type EA / EB)
- Bolt switch contact
- Test unit and adapter
- Special cables for fire doors
- GENIUS test unit for door manufacturers

Accessories for third-party systems e.g. garage door drive:
- Wireless receiver for external systems with potential-free switching contact so that you can, for example, open your garage door with the GENIUS radio remote control
- Transponder system for external systems with potential-free switching contact so that you can, for example, open your garage door with your GENIUS transponder key
**Please note:** For all GENIUS multi-point locks (except GEP GENIUS PANIC multi-point lock and A-opener), FZG-type free running key or knob cylinders are required. A locking rail or a striker plate with a magnetic bush is required for the frame side.

### Standard dimension variant for timber and PVC doors *

<table>
<thead>
<tr>
<th>Dimension variant</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>F</th>
<th>G</th>
<th>I</th>
<th>K</th>
<th>Area of application</th>
<th>Sash rebate height</th>
</tr>
</thead>
<tbody>
<tr>
<td>B001</td>
<td>2170</td>
<td>760</td>
<td>730</td>
<td>380</td>
<td>1020</td>
<td>290</td>
<td>130</td>
<td>Standard doors,</td>
<td>1881 - 2170</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Handle height 1020</td>
<td></td>
</tr>
</tbody>
</table>

### Standard dimension variant for metal doors *

<table>
<thead>
<tr>
<th>Dimension variant</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>F</th>
<th>G</th>
<th>I</th>
<th>K</th>
<th>Area of application</th>
<th>Sash rebate height</th>
</tr>
</thead>
<tbody>
<tr>
<td>K002</td>
<td>1754</td>
<td>760</td>
<td>730</td>
<td>380</td>
<td>892</td>
<td>100</td>
<td>130</td>
<td>Faceplate trimmed to size</td>
<td>1881 - 2170</td>
</tr>
</tbody>
</table>

### Version for apartment entrance doors made from timber

<table>
<thead>
<tr>
<th>Dimension variant</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>F</th>
<th>G</th>
<th>I</th>
<th>K</th>
<th>Area of application</th>
<th>Sash rebate height</th>
</tr>
</thead>
<tbody>
<tr>
<td>K007</td>
<td>1847</td>
<td>822.5</td>
<td>730</td>
<td>380</td>
<td>970</td>
<td>100</td>
<td>130</td>
<td>Faceplate rounded</td>
<td>1881 - 2170</td>
</tr>
</tbody>
</table>

### Other dimension variants for timber and PVC doors

<table>
<thead>
<tr>
<th>Dimension variant</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>F</th>
<th>G</th>
<th>I</th>
<th>K</th>
<th>Area of application</th>
<th>Sash rebate height</th>
</tr>
</thead>
<tbody>
<tr>
<td>B003</td>
<td>2400</td>
<td>760</td>
<td>980</td>
<td>380</td>
<td>1020</td>
<td>270</td>
<td>130</td>
<td>High doors,</td>
<td>2171 - 2400</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Handle height 1020</td>
<td></td>
</tr>
<tr>
<td>B298</td>
<td>2170</td>
<td>760</td>
<td>605</td>
<td>380</td>
<td>1020</td>
<td>415</td>
<td>130</td>
<td>Low doors,</td>
<td>1755 - 1880</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Handle height 1020</td>
<td></td>
</tr>
<tr>
<td>B002</td>
<td>2170</td>
<td>760</td>
<td>730</td>
<td>380</td>
<td>1050</td>
<td>260</td>
<td>130</td>
<td>Standard doors,</td>
<td>1881 - 2170</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Handle height 1050</td>
<td></td>
</tr>
<tr>
<td>B166</td>
<td>1855</td>
<td>760</td>
<td>730</td>
<td>380</td>
<td>952</td>
<td>130</td>
<td>130</td>
<td>Faceplate rounded</td>
<td>1881 - 2170</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>For apartment entrance doors,</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Faceplate rounded</td>
<td></td>
</tr>
</tbody>
</table>

* The material numbers of the standard versions are listed on pages 8-9. For orders/enquiries with different dimension variants, please use the form on pages 16-17.

### Rear backset

<table>
<thead>
<tr>
<th></th>
<th>PVC doors</th>
<th>Metal doors</th>
<th>Timber doors</th>
</tr>
</thead>
<tbody>
<tr>
<td>GENIUS</td>
<td>17.5</td>
<td>17.5</td>
<td>23.5</td>
</tr>
<tr>
<td>AS 3500</td>
<td>17.5</td>
<td>17.5</td>
<td>17.5</td>
</tr>
</tbody>
</table>

All dimensions in mm

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Step 1: Select multi-point lock

Graphic depicts GEN AS2600 EA / EB / CA / CB
### GENIUS multi-point locks for PVC doors

**GEN AS2600, 10 mm spindle square, 92 mm distance, dimension variant B001**

<table>
<thead>
<tr>
<th>Backset</th>
<th>Flat faceplate 16 mm</th>
<th>U-profile faceplate 10 x 30 x 10 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>35 mm</td>
<td>40 mm</td>
</tr>
<tr>
<td>Version SAEA, 2 mm offset softlock latch</td>
<td>3490310</td>
<td>3494593</td>
</tr>
<tr>
<td>Version SLEA, bevelled softlock latch</td>
<td>3490366</td>
<td>3494672</td>
</tr>
<tr>
<td>Version SACCA, 2 mm offset softlock latch</td>
<td>3490311</td>
<td>3494594</td>
</tr>
<tr>
<td>Version SAICA, bevelled softlock latch</td>
<td>3490367</td>
<td>3494673</td>
</tr>
<tr>
<td>Version SAEB, 2 mm offset softlock latch</td>
<td>3490312</td>
<td>3494595</td>
</tr>
<tr>
<td>Version SLEB, bevelled softlock latch</td>
<td>3490368</td>
<td>3494674</td>
</tr>
</tbody>
</table>

### GENIUS multi-point locks for timber doors

**GEN AS2600, 10 mm spindle square, 92 mm distance, dimension variant B001**

<table>
<thead>
<tr>
<th>Backset</th>
<th>Flat faceplate 20 mm</th>
<th>U-profile faceplate 10 x 30 x 10 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>55 mm</td>
<td>65 mm</td>
</tr>
<tr>
<td>Version SAEA, 2 mm offset softlock latch</td>
<td>3494949</td>
<td>3490193</td>
</tr>
<tr>
<td>Version SLEA, bevelled softlock latch</td>
<td>3497817</td>
<td>3490049</td>
</tr>
<tr>
<td>Version SACCA, 2 mm offset softlock latch</td>
<td>3498346</td>
<td>3497714</td>
</tr>
<tr>
<td>Version SAICA, bevelled softlock latch</td>
<td>3494992</td>
<td>3490050</td>
</tr>
<tr>
<td>Version SAEB, 2 mm offset softlock latch</td>
<td>3494951</td>
<td>3490194</td>
</tr>
<tr>
<td>Version SLEB, bevelled softlock latch</td>
<td>3494993</td>
<td>3490051</td>
</tr>
<tr>
<td>Version SACB, 2 mm offset softlock latch</td>
<td>3499878</td>
<td>3497717</td>
</tr>
<tr>
<td>Version SLCB, bevelled softlock latch</td>
<td>3497818</td>
<td>3490052</td>
</tr>
</tbody>
</table>

### Automatic multi-point locking systems for timber doors

**AS3500, 10 mm spindle square, 92 mm distance, dimension variant B001**

<table>
<thead>
<tr>
<th>Backset</th>
<th>Flat faceplate 20 mm</th>
<th>U-profile faceplate 10 x 30 x 10 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>55 mm</td>
<td>65 mm</td>
</tr>
<tr>
<td>Version SA, 2 mm offset softlock latch</td>
<td>3482520</td>
<td>3482434</td>
</tr>
<tr>
<td>Version SL, bevelled softlock latch</td>
<td>3482521</td>
<td>3482501</td>
</tr>
</tbody>
</table>
### SELECT MULTI-POINT LOCK

#### GENIUS PANIC multi-point lock

Suitable for use in escape and rescue route doors as per EN 179 and EN 1125. You can find electromechanical multi-point locks in our separate “Lifesaver” product catalogue.

### GENIUS multi-point locks for metal doors

**GEN AS2600, 8 mm spindle square, 92 mm distance**

<table>
<thead>
<tr>
<th>Backset</th>
<th>Flat faceplate 24 mm</th>
<th>U-profile faceplate 6 x 24 x 6 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>35 mm</td>
<td>45 mm</td>
</tr>
<tr>
<td>Version SAEA, 2 mm offset softlock latch</td>
<td>3497819</td>
<td>3497823</td>
</tr>
<tr>
<td>Version SLEA, bevelled softlock latch</td>
<td>3497821</td>
<td>3497825</td>
</tr>
<tr>
<td>Version SACA, 2 mm offset softlock latch</td>
<td>3497822</td>
<td>3497826</td>
</tr>
<tr>
<td>Version SLCA, bevelled softlock latch</td>
<td>3497823</td>
<td>3497827</td>
</tr>
<tr>
<td>Version SAEB, 2 mm offset softlock latch</td>
<td>3497824</td>
<td>3497828</td>
</tr>
<tr>
<td>Version SLEB, bevelled softlock latch</td>
<td>3497825</td>
<td>3497829</td>
</tr>
<tr>
<td>Version SACB, 2 mm offset softlock latch</td>
<td>3497826</td>
<td>3497830</td>
</tr>
<tr>
<td>Version SLCB, bevelled softlock latch</td>
<td>3497827</td>
<td>3497831</td>
</tr>
</tbody>
</table>

### Automatic multi-point locking systems for metal doors

**AS3500, 8 mm spindle square, 92 mm distance**

<table>
<thead>
<tr>
<th>Backset</th>
<th>Flat faceplate 24 mm</th>
<th>U-profile faceplate 6 x 24 x 6 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>35 mm</td>
<td>45 mm</td>
</tr>
<tr>
<td>Version SA, 2 mm offset softlock latch</td>
<td>3482399</td>
<td>3482403</td>
</tr>
<tr>
<td>Version SL, bevelled softlock latch</td>
<td>3482404</td>
<td>3482408</td>
</tr>
</tbody>
</table>
Step 2: Select magnet

**Round magnet bush**
Magnet bush for drilling into a locking rail or into a timber profile.

- **3381675**

**Oval magnet bush**
Magnet bush for installation in a round bolt strike plate 23xx, you can find matching frame parts in the multi-point locks catalogue.

- **3384792**

**Self-adhesive magnet**
Magnet to be glued on.

- **3405940**

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Step 3: Select power supply

**Power supply**

**Frame-integrated power supply**
The power supply is designed to be installed in the door frame (milling required), suitable for GENIUS or A-opener and KFV access control system. Shield length 320 mm stainless steel brass matt brushed (gold coloured KFV).

- Casing dimensions (H x W x D)
  245 mm x 20 mm x 35 mm
- Input voltage: 115 up to 230 V AC, 50 / 60 Hz
- Output voltage: 24 V DC / max. 0.9A

A 12 V AC/DC switching signal (from the electric door opener or intercom system) can be used as an opening signal for GENIUS.

- Flat faceplate 20 mm, rounded
  3498971
- Flat faceplate 24 mm, rounded
  3498972
- Flat faceplate 20 mm, edged
  3499718
- Flat faceplate 24 mm, edged
  3499715
- U-profile faceplate 6 x 24 x 6 mm
  3498973
- U-profile faceplate 8 x 28 x 8 mm
  3499716
- U-profile faceplate 10 x 30 x 10 mm
  3499717

**Special versions for cable transfer concealed**

- Flat faceplate 20 mm, rounded
  3499719**
- Flat faceplate 24 mm, rounded
  3499720**

**Power supply for DIN rail mounting**
The power supply is designed to be installed on a standard DIN rail (35 mm), suitable for GENIUS or A-opener and KFV access control system.

- Casing dimensions (H x W x D)
  approx. 91 mm x 53 mm x 56 mm
- Input voltage: 90 up to 264 V AC, 50 / 60 Hz
- Output voltage: 24 V DC / max. 1.3 A

- 3470513

**Power supply with emergency power supply**
The emergency power supply is designed for wall mounted installation, suitable for GENIUS or A-opener and KFV access control system. Mandatory when using GEP GENIUS PANIC multi-point locks.

- Casing dimensions (H x W x D)
  approx. 350 x 230 x 85 mm
- Input voltage: 230 V AC; 50 / 60 Hz
- Output voltage: 24 V DC / max. 2A

- LED status displays, relay outputs for AC and rechargeable battery errors.

- 3471104

To be ordered separately: 2 rechargeable batteries

- 7Ah / 12 Volt
  3470680

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**You can find the matching cable transfer with material number 3499574 and 3499584 on the next page.**
**Step 4: Select cable transfer**

### Cable transfer concealed

**Cable transfer without casing 180° with integrated plug-in connector**

Because of its small dimensions, the cable transfer can be mounted concealed in the door rebate (min. 22 mm). 11 x 220 x 8.5 mm (W x H x D)

<table>
<thead>
<tr>
<th>Plug-in connector frame side*</th>
<th>Door side: 4 m, Frame side: 8 m</th>
<th>3496920</th>
</tr>
</thead>
</table>

**Cable transfer with casing 100° with integrated plug-in connector**

The cable transfer was developed for concealed door rebate installation.

24 x 302 x 18 mm (W x H x D)

<table>
<thead>
<tr>
<th>Fitting case frame side*</th>
<th>Door side: 3 m, Frame side: 8 m</th>
<th>3484333</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door side: 4 m, Frame side: 8 m</td>
<td>3484334</td>
<td></td>
</tr>
<tr>
<td>Door side: 3 m, Frame side: 2 m</td>
<td>3484335</td>
<td></td>
</tr>
<tr>
<td>Door side: 4 m, Frame side: 2 m</td>
<td>3484336</td>
<td></td>
</tr>
</tbody>
</table>

**Fitting case door side*:**

| Door side: 3 m, Frame side: 8 m | 3484332 |

**Special versions to combine with the frame integrated power supply**

<table>
<thead>
<tr>
<th>Fitting case frame side*</th>
<th>Door side: 3 m, Frame side: 0.75 m</th>
<th>3499585</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fitting case door side*</td>
<td>Door side: 3 m, Frame side: 0.10 m</td>
<td>3499575</td>
</tr>
<tr>
<td>Door side: 3 m, Frame side: 0.75 m</td>
<td>3499586</td>
<td></td>
</tr>
</tbody>
</table>

**Cable transfer with casing 180° with integrated plug-in connector**

24 x 480 x 18 mm (W x H x D)

<table>
<thead>
<tr>
<th>Fitting case frame side*</th>
<th>Door side: 4 m, Frame side: 8 m</th>
<th>3475149</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door side: 3 m, Frame side: 2 m</td>
<td>3475150</td>
<td></td>
</tr>
<tr>
<td>Door side: 4 m, Frame side: 2 m</td>
<td>3475155</td>
<td></td>
</tr>
</tbody>
</table>

**Fitting case door side*:**

| Door side: 3 m, Frame side: 8 m | 3475147 |

**Special versions to combine with the frame integrated power supply**

<table>
<thead>
<tr>
<th>Fitting case frame side*</th>
<th>Door side: 3 m, Frame side: 0.75 m</th>
<th>3499583</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fitting case door side*</td>
<td>Door side: 3 m, Frame side: 0.10 m</td>
<td>3499574*</td>
</tr>
<tr>
<td>Door side: 3 m, Frame side: 0.75 m</td>
<td>3499584</td>
<td></td>
</tr>
</tbody>
</table>

**Arched parts for cable transfer with casing**

This mounting accessory was specifically designed for the installation of concealed cable transfers in timber or PVC doors.

**Installation in timber doors**

24 x 302 x 18 mm (W x H x D) 3443749

**Installation in PVC doors**

16 x 96 x 3 mm (W x H x D) 3498533

---

* Cable length
Step 5: Select access control system

**KFVkeyless**

The access control system is used to open the door with a Bluetooth-enabled mobile phone or smartphone. It can be kept in your pocket. Incl. pre-assembled cable (approx. 1.5 m) with plug and keypad.

- Simple coupling between KFVkeyless and a mobile phone or smartphone
- Encrypted AES 128 bit data transmission
- Optionally available door leaf integration or external installation
- Connection with one cable directly to GENIUS type A or type B as well as A-opener
- Up to 6 Bluetooth devices can be coupled
- Up to 18 keypad code users

**KFVkeyless app**
The app is designed to manage and administer the KFVkeyless module. It lets you manage a coupled smartphone via the app. Available in the "App Store" or from "Google Play."

- Activation / Deactivation of the touch-free opening
- Manage users
- Block users
- Delete users
- Adjust user range
- Change or delete the keyboard code
- Display access log
- Adjust illumination / of the beeper
- Manage up to 6 doors KFVkeyless modules

**Glass faceplate for keypad**
Optional for KFVkeyless. Mount with double-sided adhesive sealing tape.

- High-quality appearance
- Flush installation possible
- Available in 3 colours

Cover white: 3497827
Cover anthracite: 3497828
Cover silver (standard): 3497829

**Fingerprint**
The biometric access control system is used to open the door. Incl. pre-assembled cable (approx. 1.5 m) with plug and keypad. Incl. decorative element.

- Optionally available door leaf integration or external installation
- Incl. pre-assembled cable (approx. 1.5 m) with plug and keypad
- Connection with one cable directly to GENIUS type A or type B as well as A-opener
- Up to 99 memory slots can be programmed
- Manage users via Adminfinger

**Fingerprint 3.1 App**
Manage and administer Fingerprinter 3.1.

- Create new users and access privileges
- Managing users and access privileges
- Black users
- Delete users
- Adjust illumination

**GSM switch module**
You are just a phone call or text message away from opening your door via the GSM switch module.

- For DIN rail mounting
- Operation with standard PREPAID or POSTPAID SIM-cards
- Program 50 phone numbers using a PC or per SMS
- Up to 50 mobile phone numbers can be programmed
- Up to 5 user groups
- Alarm via SMS in case of unauthorised opening of the door
- Alarm via SMS when opening the GSM switch module
- 3 relay outputs 16 A / 250 V / AC or 16 A / 24 V / DC
- Two digital inputs up to max. 32 V/DC

Input voltage: 100 up to 240 V AC, 50 / 60 Hz
Casing dimensions (H / W / D) approx. 120 mm x 84 mm x 52 mm

3502042
Step 5: Select access control system

**Wireless**

2 channel handheld wireless transmitter
The 2 channel handheld wireless transmitter is used to transmit the data to the wireless receiver.
- Individually programmable keys
- Suitable for opening up to 2 doors
- Colour: grey

3406519

External wireless receiver
The external wireless receiver is used to receive data from the wireless transmitter.
- Supply voltage 24 V DC
- The supply voltage can be drawn from the GENIUS power supply
- Range of the wireless receiver is 10 to 50 m
- Up to 84 handheld wireless transmitters can be programmed

3406512

Cable type E
The type E cable is used to transmit power or signals from an external wireless receiver to GENIUS- or the A-opener motor.
- Pre-assembled on both sides and fitted with wire-end ferrules
- Numbered on both sides
- 3-wire
- Shielded

Cable length 1 m 3378077
Cable length 4 m 3378078
Cable length 8 m 3378079
Cable length 12 m 3378080

**Transponder**

Transponder key
The transponder comes in the form of a keying and transmits the code to the aerial (reader). Range: approx. 6 cm.

3406519

Transponder reader
The external transponder is used to receive data from the transponder aerial. The 12 or 24 V DC supply voltage can be drawn from the GENIUS power supply. Integrated keyboard for selective deleting/programming. 99 transponder keys can be programmed.

3406512

Transponder aerial
The transponder aerial is used to transmit data to the transponder processor. Transponder aerial (reader) incl. LEDs for the inside and outside of the door (IP 67). Incl. length of cable: 2 m. Silver cover cap. Installation can be visible or concealed. Up to 3 aerials (readers) can be connected in parallel.

3406518

Cable type E
The type E cable is used to transmit power or signals from the transponder processor to the A-opener motor. The cable (3-wire, shielded) is pre-assembled, numbered on both sides and has core end sleeves.

Cable length 1 m 3378077
Cable length 4 m 3378078
Cable length 8 m 3378079
Cable length 12 m 3378080
Step 6: Select accessories

Signal transmitter

Internal release push-button
The push-button is used to open the door via the internal release for multi-point locks without the "comfort" option (GENIUS EA / EB).
- Push-button made from matt stainless steel
- Dowels included
- Snap-in installation

Clock timer
The clock timer is used to automatically switch the Safe and Vario function on the GENIUS TYPE B.
- With gold-plated relay contact (230 V AC)
- DIN rail version
- Display illumination
- 56 memory slots
- 10 year power reserve (lithium battery)
- ON-OFF switching times
- Continuous circuit ON / OFF
- VDE

Casing dimensions (H/ W/ D) approx.
90 mm x 36 mm x 69 mm
Input voltage: 230 up to 240 V AC; 50 / 60 Hz

Coupling relay 12 V
The 12 V coupling relay is used for retrofitting the electric opener to GENIUS or the A-opener.
12 V AC / DC, DIN rail mounting 3327769

Coupling relay 24 V
The 24 V coupling relay is used to confirm the GENIUS TYPE B to an alarm system or a motorised door drive.
24 V AC / DC, DIN rail mounting 3374274

Coupling relay 12 V
The 12 V coupling relay is used for retrofitting the electric opener to GENIUS or the A-opener.
12 V AC / DC, DIN rail mounting 3327769

Coupling relay 24 V
The 24 V coupling relay is used to confirm the GENIUS TYPE B to an alarm system or a motorised door drive.
24 V AC / DC, DIN rail mounting 3374274

Internal release push-button
The push-button is used to open the door via the internal release for multi-point locks without the "comfort" option (GENIUS EA / EB).
- Push-button made from matt stainless steel
- Dowels included
- Snap-in installation

Clock timer
The clock timer is used to automatically switch the Safe and Vario function on the GENIUS TYPE B.
- With gold-plated relay contact (230 V AC)
- DIN rail version
- Display illumination
- 56 memory slots
- 10 year power reserve (lithium battery)
- ON-OFF switching times
- Continuous circuit ON / OFF
- VDE

Casing dimensions (H/ W/ D) approx.
90 mm x 36 mm x 69 mm
Input voltage: 230 up to 240 V AC; 50 / 60 Hz

Test unit
The test unit is used to check / perform error analysis of the GENIUS TYPE A and TYPE B as well as the A-opener motors.
Test unit 115 V 3484549
Test unit 230 V 3484544

Adapter
This adapter is used to extend the test unit when the concealed cable transfer with the integrated plug-in connector is employed.

Bolt switch contact
The bolt switch contact is used to query whether the hook bolt has been completely locked off.
- Installation in the locking rail or striker plate
- Replaces the Q-adjustment
- The Q-adjustment function is retained
- Protection class as per DIN 40050 VdS environmental class III, IP 67
- Contact type changeover contact
- Switching capacity max. 3 W / VA
- Switching voltage max. 30 V DC
- Switching current max. 0.2 A
- Installation location external and internal doors
- Switching point adjustable
- Certification VdS class C G 114009

Cable length 6 m 3496082
Cable length 10 m 3501330

Test devices

Internal release push-button
The push-button is used to open the door via the internal release for multi-point locks without the "comfort" option (GENIUS EA / EB).
- Push-button made from matt stainless steel
- Dowels included
- Snap-in installation

Clock timer
The clock timer is used to automatically switch the Safe and Vario function on the GENIUS TYPE B.
- With gold-plated relay contact (230 V AC)
- DIN rail version
- Display illumination
- 56 memory slots
- 10 year power reserve (lithium battery)
- ON-OFF switching times
- Continuous circuit ON / OFF
- VDE

Casing dimensions (H/ W/ D) approx.
90 mm x 36 mm x 69 mm
Input voltage: 230 up to 240 V AC; 50 / 60 Hz

Test unit
The test unit is used to check / perform error analysis of the GENIUS TYPE A and TYPE B as well as the A-opener motors.
Test unit 115 V 3484549
Test unit 230 V 3484544

Adapter
This adapter is used to extend the test unit when the concealed cable transfer with the integrated plug-in connector is employed.

Bolt switch contact
The bolt switch contact is used to query whether the hook bolt has been completely locked off.
- Installation in the locking rail or striker plate
- Replaces the Q-adjustment
- The Q-adjustment function is retained
- Protection class as per DIN 40050 VdS environmental class III, IP 67
- Contact type changeover contact
- Switching capacity max. 3 W / VA
- Switching voltage max. 30 V DC
- Switching current max. 0.2 A
- Installation location external and internal doors
- Switching point adjustable
- Certification VdS class C G 114009

Cable length 6 m 3496082
Cable length 10 m 3501330

Test unit
The test unit is used to check / perform error analysis of the GENIUS TYPE A and TYPE B as well as the A-opener motors.
Test unit 115 V 3484549
Test unit 230 V 3484544

Adapter
This adapter is used to extend the test unit when the concealed cable transfer with the integrated plug-in connector is employed.
Step 6: Select accessories

For fire doors

Cable transfer concealed with 20 mm casing 180°
The cable transfer was developed for concealed installation in the door rebate. The casing can be mounted in the doorframe or the door leaf.
20 x 382 x 16 mm (W x H x D)
3458247

Fire protection cable type OK - FS
The cable is used to transmit power or signals from the power supply or emergency power supply to the GENIUS or A-opener motor.
- Pre-assembled on both sides and fitted with wire-end ferrules
- Numbered on both sides
- 6-wire
- Shielded
- Length: 12 m
3474871

ATTENTION!
A special version of the GENIUS multi-point lock is required for use in fire doors. Please contact our sales team to determine the best version for your specific needs.

Miscellaneous

Cable transfer concealed with 24 mm casing 100°
The cable transfer was developed for concealed installation in the door rebate. The casing can be mounted in the doorframe or the door leaf.
24 x 260 x 18 mm (W x H x D)
3308791

Cable transfer concealed with 24 mm casing 180°
The cable transfer was developed for concealed installation in the door rebate. The casing can be mounted in the doorframe or the door leaf.
24 x 480 x 18 mm (W x H x D)
3308792

Cable type F - sash side
The cable is equipped with a plug-in connector. It is used to transmit power or signals from the power supply to the GENIUS or A-opener motor. It is combined with a type B cable.
- Pre-assembled on the motor side
- Numbered
- With plug
- 6-wire
- Shielded

- Cable length 2.5 m 3381523
- Cable length 3 m 3381525
- Cable length 4 m 3381527
- Cable length 5 m 3381529

Cable type B - Hinge side
The cable is equipped with a plug-in connector. It is used to transmit power or signals from the power supply to the GENIUS or A-opener motor. It is combined with a type F cable.
- Pre-assembled on the power supply side
- Numbered
- With bushing
- 6-wire
- Shielded

- Cable length 2 m 3308722
- Cable length 4 m 3308723
- Cable length 6 m 3308724
- Cable length 8 m 3308725
- Cable length 12 m 3368937
- Cable length 24 m 3415036
- Cable length 48 m 3415946
ORDER SHEET

Fabricator
Dealer
Tel.
Fax:
Contact person

Step 1: Multi-point lock

Select material number from page 8 - 9 or specify / tick desired version below.

<table>
<thead>
<tr>
<th>Material number:</th>
<th>Faceplate</th>
<th>Backset</th>
<th>Spindle square</th>
<th>Dimension variant</th>
</tr>
</thead>
<tbody>
<tr>
<td>3381675</td>
<td>Round magnet bush ZEM FZ-MB-01</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3384792</td>
<td>Oval magnet bush ZEM FZ-MB-02</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3405940</td>
<td>Self-adhesive magnet ZEM FZ-MB-04</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Step 2: Magnet

Only required for GENIUS

- 3381675 Round magnet bush ZEM FZ-MB-01
- 3384792 Oval magnet bush ZEM FZ-MB-02
- 3405940 Self-adhesive magnet ZEM FZ-MB-04

Step 3: Power supply

Frame-integrated power supply

- 3499717 Flat faceplate rounded / 20 mm ZEM FZ-NTRA-F-20-A-115-230-41
- 3499720 Flat faceplate rounded / 24 mm ZEM FZ-NTRA-F-24-A-115-230-41

Power supply for top hat rail mounting

- 3470513 Power supply for top hat rail mounting ZEM FZ-NT-HU-115-230

Power supply for emergency power supply

- 3471104 Power supply with emergency power supply ZEM FZ-USV-230
- 3470680 12V batteries for emergency power supply ZEM FZ-EB-12V/7AH (2 are required)

Step 4: Select cable transfer

Cable transfer without casing 180°

- 3496920 4 m / 8 m ZEM FZ-KU-180-SR-0F4-0B8

Cable transfer with casing 180°

- 3475143 3 m / 8 m ZEM FZ-KU-180-AR-0F3-0B8
- 3475149 4 m / 8 m ZEM FZ-KU-180-AR-0F4-0B8
- 3475150 3 m / 2 m ZEM FZ-KU-180-AR-0F3-0B2
- 3475155 4 m / 2 m ZEM FZ-KU-180-AR-0F4-0B2
- 3475147 3 m / 8 m ZEM FZ-KU-180-AT-0F3-0B8

Cable transfer with casing 100°

- 3484333 3 m / 8 m ZEM FZ-KU-100-AR-0F3-0B8
- 3484334 4 m / 8 m ZEM FZ-KU-100-AR-0F4-0B8
- 3484335 3 m / 2 m ZEM FZ-KU-100-AR-0F3-0B2
- 3484336 4 m / 2 m ZEM FZ-KU-100-AR-0F4-0B2
- 3484332 3 m / 8 m ZEM FZ-KU-100-AT-0F3-0B8

Special versions to combine with the frame integrated power supply

- 3499574 3 m / 0.10 m ZEM FZ-KU-180-AT-0F3-0B8,10
- 3499584 3 m / 0.75 m ZEM FZ-KU-180-AT-0F3-0B8,75
- 3499583 3 m / 0.75 m ZEM FZ-KU-180-AR-0F3-0B8,75

Arched parts for cable transfers with casing

- 3443749 Installation in timber doors ZEM FZ-KU-8M-01/24
- 3498533 Installation in PVC doors ZEM FZ-KU-8M-02/31

Select material number from page 8 - 9 or specify / tick desired version below.

<table>
<thead>
<tr>
<th>Distance:</th>
<th>Latch type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>72 mm</td>
<td>Softlock bevelled (SL)</td>
</tr>
<tr>
<td>74 mm</td>
<td>Softlock 2 mm offset (SA)</td>
</tr>
<tr>
<td>92 mm</td>
<td>Fire protection latch bevelled (FS)</td>
</tr>
<tr>
<td>94 mm</td>
<td>Fire protection latch 2 mm offset (FA)</td>
</tr>
</tbody>
</table>

Material number: 3381675

Step 1: Multi-point lock

Select material number from page 8 - 9 or specify / tick desired version below.

- 3381675 Round magnet bush ZEM FZ-MB-01
- 3384792 Oval magnet bush ZEM FZ-MB-02
- 3405940 Self-adhesive magnet ZEM FZ-MB-04

Step 2: Magnet

Only required for GENIUS

- 3381675 Round magnet bush ZEM FZ-MB-01
- 3384792 Oval magnet bush ZEM FZ-MB-02
- 3405940 Self-adhesive magnet ZEM FZ-MB-04

Step 3: Power supply

Frame-integrated power supply

- 3499717 Flat faceplate rounded / 20 mm ZEM FZ-NTRA-F-20-A-115-230-41
- 3499720 Flat faceplate rounded / 24 mm ZEM FZ-NTRA-F-24-A-115-230-41

Power supply for top hat rail mounting

- 3470513 Power supply for top hat rail mounting ZEM FZ-NT-HU-115-230

Power supply for emergency power supply

- 3471104 Power supply with emergency power supply ZEM FZ-USV-230
- 3470680 12V batteries for emergency power supply ZEM FZ-EB-12V/7AH (2 are required)

Step 4: Select cable transfer

Cable transfer without casing 180°

- 3496920 4 m / 8 m ZEM FZ-KU-180-SR-0F4-0B8

Cable transfer with casing 180°

- 3475143 3 m / 8 m ZEM FZ-KU-180-AR-0F3-0B8
- 3475149 4 m / 8 m ZEM FZ-KU-180-AR-0F4-0B8
- 3475150 3 m / 2 m ZEM FZ-KU-180-AR-0F3-0B2
- 3475155 4 m / 2 m ZEM FZ-KU-180-AR-0F4-0B2
- 3475147 3 m / 8 m ZEM FZ-KU-180-AT-0F3-0B8

Cable transfer with casing 100°

- 3484333 3 m / 8 m ZEM FZ-KU-100-AR-0F3-0B8
- 3484334 4 m / 8 m ZEM FZ-KU-100-AR-0F4-0B8
- 3484335 3 m / 2 m ZEM FZ-KU-100-AR-0F3-0B2
- 3484336 4 m / 2 m ZEM FZ-KU-100-AR-0F4-0B2
- 3484332 3 m / 8 m ZEM FZ-KU-100-AT-0F3-0B8

Special versions to combine with the frame integrated power supply

- 3499574 3 m / 0.10 m ZEM FZ-KU-180-AT-0F3-0B8,10
- 3499584 3 m / 0.75 m ZEM FZ-KU-180-AT-0F3-0B8,75
- 3499583 3 m / 0.75 m ZEM FZ-KU-180-AR-0F3-0B8,75

Arched parts for cable transfers with casing

- 3443749 Installation in timber doors ZEM FZ-KU-8M-01/24
- 3498533 Installation in PVC doors ZEM FZ-KU-8M-02/31
**Step 5: Access control**

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>KFVkeyless</td>
<td>3493375</td>
<td>KFVkeyless ZEM FZ.BT-0A-1.50</td>
</tr>
<tr>
<td>Fingerprint</td>
<td>3496482</td>
<td>Fingerprint 3.0 ZEM FZ.FP-0B-1.50</td>
</tr>
<tr>
<td></td>
<td>3501219</td>
<td>Fingerprint 3.1 ZEM FZ.FP-0B-1.50</td>
</tr>
<tr>
<td>GSM switch module</td>
<td>3502042</td>
<td>GSM module ZEM FZ.GSM-HU-100-240</td>
</tr>
<tr>
<td>Wireless</td>
<td></td>
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<tr>
<td></td>
<td>3377393</td>
<td>Wireless receiver ZEM FZ.FE-F-0A</td>
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<tr>
<td></td>
<td>3377395</td>
<td>2-channel handheld wireless transmitter ZEM FZ.FS-0A</td>
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</table>

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transponder</td>
<td>3406512</td>
<td>External transponder ZEM FZ.TR.F-0A</td>
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<tr>
<td></td>
<td>3406518</td>
<td>Transponder aerial ZEM FZ.TR.A-0A</td>
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<tr>
<td></td>
<td>3406519</td>
<td>Transponder key ZEM FZ.TR.S-0A</td>
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</tbody>
</table>

**Cable type E (needed for radio system and transponder)**

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3378077</td>
<td>1 m ZEM FZ.KA.0E-1</td>
</tr>
<tr>
<td></td>
<td>3378078</td>
<td>4 m ZEM FZ.KA.0E-4</td>
</tr>
<tr>
<td></td>
<td>3378079</td>
<td>8 m ZEM FZ.KA.0E-8</td>
</tr>
<tr>
<td></td>
<td>3378080</td>
<td>12 m ZEM FZ.KA.0E-12</td>
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</tbody>
</table>

**Step 6: Accessories**

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signal transmitter</td>
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<tr>
<td></td>
<td>3327769</td>
<td>Coupling relay 12 V ZEM FZ.KR-12</td>
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<td></td>
<td>3374274</td>
<td>Coupling relay 24 V ZEM FZ.KR-24</td>
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<td>3386310</td>
<td>Pushbutton cable length 750 mm ZEM FZ.TA-01-750</td>
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<td>3413891</td>
<td>Pushbutton cable length 1000 mm ZEM FZ.TA-01-1000</td>
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<tr>
<td></td>
<td>3414108</td>
<td>Pushbutton cable length 3000 mm ZEM FZ.TA-01-3000</td>
</tr>
<tr>
<td></td>
<td>3308731</td>
<td>Clock timer ZEM FZ.ZU-H</td>
</tr>
<tr>
<td>Sensors</td>
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<tr>
<td></td>
<td>3496082</td>
<td>Bolt switch contact cable length 6 m ZEM RS-01-6-0-SG</td>
</tr>
<tr>
<td></td>
<td>3501530</td>
<td>Bolt switch contact cable length 10 m ZEM RS-01-10-0-SG</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Description</th>
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<tbody>
<tr>
<td>Test devices</td>
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<tr>
<td></td>
<td>3484549</td>
<td>Test unit 115 V AC ZEM FZ.PG-115/2</td>
</tr>
<tr>
<td></td>
<td>3484544</td>
<td>Test unit 230 V AC ZEM FZ.PG-230/2</td>
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<tr>
<td></td>
<td>3477319</td>
<td>Adapter for test unit ZEM FZ.PG-AP-01</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Miscellaneous</td>
<td>3458247</td>
<td>Cable transfer with 20 mm casing 180° ZEM FZ.KU-180/20/39</td>
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<tr>
<td></td>
<td>3474871</td>
<td>Cable type OK - FS ZEM FZ.KA.OK.FS-12</td>
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<tr>
<td></td>
<td>3308791</td>
<td>Cable transfer with 24 mm casing 100° ZEM FZ.KU-100/39</td>
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<td>Cable transfer with 24 mm casing 180° ZEM FZ.KU-180/39</td>
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**Cable type F**

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<td>3381523</td>
<td>2.5 m ZEM FZ.KA.0F-2.5</td>
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<td>3 m ZEM FZ.KA.0F-3</td>
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<td>3381527</td>
<td>4 m ZEM FZ.KA.0F-4</td>
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**Cable type B**

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<td>3415946</td>
<td>48 m ZEM FZ.KA.0B.48.5</td>
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io-homecontrol® technology lets you wirelessly operate different products and applications in houses and apartments. io-homecontrol® technology is based on a new, universal communication protocol for wireless systems through which individual components within a house can communicate with each other (bi-directional with feedback, 3 different frequencies – the optimum frequency is automatically selected – with up to 8 repetitions and 128 bit encryption).

io-homecontrol® provides advanced and secure radio wireless technology that is easy to install. io-homecontrol® labelled products communicate with each other, thereby ensuring comfort and convenience, safety and energy savings.

The new io-lock controller can be used with the standard GENIUS type A, type B versions and the A-opener. This lets you use other access control systems such as Fingerprint or KFVkeyless.

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