Z-TA – cylinder-operated
Automatic 3-latch timber deluxe lock
with openDoor overview
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Protection in transport

Simple transport protection devices, wedges or blocks must be used for secure transport of the whole door unit. Remove only after installation.

Positioning the transport protection devices
Operating instructions

1. Never open the main-lock casing!
2. Remove all debris from routing before fitting door lock!
3. Carry out all drilling and routing before mounting the door lock
4. Do not hammer or otherwise force the spindle through the lock case!
5. Only lock the doorlock with the appropriate universal access key!
6. Do not use force when installing the cylinders!
7. Do not apply force through external leverage in order to turn the key!
8. The handle and the key may not be operated simultaneously!
Operating instructions

1. Only apply force to the handle in the operation direction! The handle operates in a vertical movement (max force 150N to operate!)

2. The lock must be replaced if there are any signs of damage.

3. On double-leaf doors, the active door must be opened before the passive door.

4. The dead bolt may not protrude when the door is open!

5. The door leaf may not be carried by the lever handle!

6. Do not paint or varnish over the lock’s deadbolt and latch.
Operating instructions

1. The latch and deadbolt must be lubricated once a year.
   The doorlock (main-lock casing) is supplied with a high performance lubricant and MUST NOT receive any further lubrication!

2. The multifunctional latches and the hook must be lubricated once a year.
   Lubrication must be carried out only with lubrication grease or technical Vaseline!

⚠️ No lubricating oils, rust removers, silicone sprays etc. should be used!

* Grease
** Rust removers, silicone spray, etc.
Installation advice

Latch reversal

1. Press the button and hold to 4.
2. Remove the latch.
3. Reverse the latch and replace it into the faceplate slot (a), ensuring that the leg of the latch insert locates under faceplate (b).
4. Press the latch until a "click" is heard.
5. The button must be pressed down 2 to 4 throughout the operation! Release it when you hear a "click".

Check that it operates properly.

The function check must be carried out!
Press the latch in and release at least twice. If the latch disengages, press it in again firmly until it a "click" is hear, and test it again.
Installation advice

Latch conversion

B Multifunctional latch with hook

1. Press the button and hold to 4.
2. Remove the latch.
3. Reverse the latch and insert it in the faceplate.
4. Press the latch until a "click" is heard.
5. The button must be pressed down to 4 throughout the operation! Release it when you hear a "click".

Check that it operates properly.

The function check must be carried out!
Press the latch in and release at least twice. If the latch disengages, press it in again firmly until it a "click" is hear, and test it again.
Installation advice

1. Position of latch & deadbolt striker, 4 mm air gap, 9/10 mm offset
2. Striker, multifunctional latch with hook
   4 mm air gap, 9/10 mm offset

Gasket-compression +/- 2 mm
Position of faceplate notch = striker notch

For timber 4 mm air gap

⚠️ An air gap of 2–6 mm must be observed when installed!
Installation advice

1. Position of latch & deadbolt striker, 4 mm air gap, 13 mm offset
2. Striker, multifunctional latch with hook
   4 mm air gap, 13 mm offset

Gasket-compression +/- 2 mm
Position of faceplate notch = striker notch

For timber 4 mm air gap

An air gap of 2–6 mm must be observed when installed!
Installation advice

1. Position of latch & deadbolt striker, 12 mm air gap, 9/10 mm offset
2. Striker, multifunctional latch with hook
   12 mm air gap, 9/10 mm offset

Gasket-compression +/- 2 mm
Position of faceplate notch =
striker notch

For timber 12 mm air gap

⚠️ An air gap of 10 – 14 mm must be observed when installed!
Installation advice

1. Position of latch & deadbolt striker, 12 mm air gap, 13 mm offset
2. Position of striker plate, multifunctional latch with hook, 12 mm air gap, 13 mm offset

Gasket-compression +/- 2 mm
Position of faceplate notch = striker notch

For timber 12 mm air gap

⚠️ An air gap of 10 – 14 mm must be observed when installed!
Routing details for main-lock casing

Casing routing patterns

1. Faceplate positioning notch

* Cable duct for deluxe solution
** Cable for deluxe solution
*** Position for Escutcheon cover fastening
Routing for Comfort opener
Routing pattern for motor incl. installation of driver disc and motor

Control unit for openDoor access control systems
*Recommended cable position for Comfort
**Recommended position for Control Unit

Z-TA • Automatic 3-latch timber deluxe lock
Door designs for timber 4 mm air gap

1. 4 mm air gap, 9 mm offset
2. 4 mm air gap, 10 mm offset
3. 4 mm air gap, 13 mm offset

For timber 4 mm air gap

An air gap of 2–6 mm must be observed when installed!
Door designs for timber 12 mm air gap

1. 12 mm air gap, 9 mm offset
2. 12 mm air gap, 10 mm offset
3. 12 mm air gap, 13 mm offset

For timber 12 mm air gap

⚠️ An air gap of 10–14 mm must be observed when installed!
Drilling and routing patterns

Multifunctional latch&hook striker
9/10 mm offset

1. Timber 4 mm air gap
2. Timber 12 mm air gap
Drilling and routing patterns

Latch and deadbolt striker
9/10 mm offset

1. Timber 4 mm air gap
2. Timber 12 mm air gap
Drilling and routing patterns

Latch and deadbolt striker
13 mm offset

1. Timber 4 mm air gap
2. Timber 12 mm air gap

---

1.

2.
Drilling and routing patterns

Multifunctional latch&hook striker
13 mm offset

1. Timber 4 mm air gap
2. Timber 12 mm air gap
Striker positioning
2 multifunctional latches with hooks
4 mm air gap 9/10 mm offset

1. Low K+605
2. Standard K+730
3. High K+980

* Please use cover plates for SRH above 2200 mm!

Motor for Comfort opening
Striker positioning
2 multifunctional latches with hooks,
12 mm air gap 9/10 mm offset

1. Low K+605
2. Standard K+730
3. High K+980

* Please use cover plates for SRH above 2200 mm!

Motor for Comfort opening
Striker positioning
2 multifunctional latches with hooks, 1 and 2 sashes with finger-operated door shootbolt
4 mm air gap 13 mm offset

1) Low K+605
2) Standard K+730
3) High K+980

* Please use cover plates for SRH above 2200 mm!

Motor for Comfort opening
Striker positioning
2 multifunctional latches with hooks, K+730
12 mm air gap 13 mm offset

1) Single striker plates
2) Single-piece striker plate
3) French casement drive gear
4) Finger operated door shootbolt

Motor for Comfort opening
*Please use cover plates for SRH above 2200 mm!
**PVC cap for adapting to threshold
***Art. Use striker plate rail extension 102852
Striker positioning

2 multifunctional latches with hooks, K+605
12 mm air gap 13 mm offset

1 Single striker plates
2 Single-piece striker plate
3 French casement drive gear
4 Finger operated door shootbolt

*Please use cover plates for SRH above 2000 mm!
**PVC cap for adapting to threshold
***Art. Use striker plate rail extension 102852
Striker positioning

2 multifunctional latches with hooks, K+980
12 mm air gap 13 mm offset

1. Single striker plates
2. Single-piece striker plate
3. French casement drive gear
4. Finger operated door shootbolt

Motor for Comfort opening
*Please use cover plates for SRH above 2400 mm!
**PVC cap for adapting to threshold
***Art. Use striker plate rail extension 102852

Z- TA • Automatic 3-latch timber deluxe lock
openDoor overview

Overview

1. In combination with the 3-latch Z-TA Comfort door lock: Extremely high security thanks to automatic locking of the steel hook and the locking bar.

2. Standardised installation thanks to the same dimensions with all openDoor solutions that are integrated into the door leaf.

3. Simple, non-interchangeable connection: Excludes the possibility of incorrect connection.

4. Tamper-proof: Control unit protected against unauthorised access.

5. Maximum home comfort thanks to low-noise door lock motor.

Z-TA Comfort motor for openDoor access control systems

**Connector/cable assignment**

1. **Connection motor - cable transition**
   - 4: Brown -
   - 3: White +
   - 2: Green zero-potential*
   - 1: Yellow zero-potential*

   *Push-button for switching pulse

   *Changeover switch for day/night setting

2. **Connection motor - access control system**

   **Power supply**
   - 12 - 24V DC, at least 1.5A

3. **Strain relief**

**Cable transition**
- 2.5 m door leaf / 6 or 10 m routing length outside

**Access control systems:**
- Transponder Plus
- Code Touch

**NOTE:**
Electrical connections (power pack connection, connecting cable 0.15m and 10m) may only be carried out by authorised personnel!
Z-TA Comfort motor cable transition

Cable transition for opening angle ≤180° / timber 4 air, PVC 12 air, aluminium

NOTE:
Due to the different hinge versions and the resulting **FIXING AXIS**, you must determine the position of the cable tray (dimension X) and the cover plate (dimension Y) yourself!
Z-TA Comfort motor cable transition

Cable transition for opening angle ≤110° / timber 12 air, PVC 12 air, aluminium
openDoor access control systems
Circuit diagram on frame side

**NOTE:**
Electrical connections (power pack connection, connecting cable 0.15m and 10m) may only be carried out by authorised personnel!
openDoor access control systems

Circuit diagram for switching pulse

Transformer

(1) Yellow zero-potential*
(2) Green zero-potential*
(3) White +
(4) Brown -

12 - 24V DC direct current at least 1.5 A

Push-button for switching pulse

Loop for installation

Strain relief

Cable transition 2.5 m door leaf / 6 or 10 m routing length outside

NOTE:
Electrical connections (power pack connection, connecting cable 0.15m and 10m) may only be carried out by authorised personnel!
openDoor access control systems

Circuit diagram for changeover switch

NOTE:
Electrical connections (power pack connection, connecting cable 0.15m and 10m) may only be carried out by authorised personnel!
openDoor access control systems
Routing pattern for timber

Routing pattern for timber.