

# TECTIQ double knob cylinder, reader outside CH

Art.-Nr. TEC-Z-CH-LA

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## SIMPLE. ACCESS. ORGANISATION.

With the digital TECTIQ locking system.

The electronic TECTIQ locking cylinder with RFID reader grants people access on the locking medium (transponder, card) according to their permission level. Data exchange is encrypted and protected against readout (MIFARE® DESFire®). The battery-operated door component requires no external cabling or radio connection.

### Validation/update

ABUS TECTIQ stores permissions and events on the RFID locking medium (Data-on-Card) and exchanges data wirelessly with the cylinder or the system. The optical illuminated ring signals to users whether they are authorised to access the system.

### Elegant design, top quality

With its clear design and knob caps (RFID reader unit) in black or grey, the robust, high-quality cylinder with IP67 and stainless steel look is suitable for any door and surface.

### Custom cylinder length

The double knob cylinder is suitable for exterior and interior doors with door leaves 32.5 to 57.5 mm thick on each side. Can be ordered in fixed lengths in 5 mm increments to adjust length to individual conditions.

### Wide range of variants

Available in different versions: with reader on the outside or on both sides (e.g. for connecting doors), as a double knob, half cylinder or padlock.

## Technologies

- Electronic TECTIQ double knob cylinder (Switzerland round) for secure, simple and flexible installation on almost all doors (solid leaf, profile frame, timber, aluminium, steel, plastic)
- High-quality cylinder (RFID reader outside) with stainless steel outside knob and continuous stainless steel look, in a discreet, purist design line; highly weather-resistant in the standard version (IP67)
- TECTIQ cylinder with RFID reader for secure, readout-protected Data exchange with TECTIQ locking media (MIFARE®)

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DESFire®); with free-running exterior knob: no access without authentication

- The cylinder can be programmed via Bluetooth with the TECTIQ Admin app and, for example, receive a new time or the latest firmware update
- Elegant design in different Design variants to match the style of your building thanks to different colours and knobs
- Replace the cylinder instead of the fitting: convert a mechanical to an electronic cylinder at a favourable price and integrate the door into the TECTIQ locking system (simple cylinder replacement using a screw)
- Tested, certified quality: EN 15684 and fire protection T30

## Technical data - TECTIQ double knob cylinder, reader outside CH

|                             |                                                                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Air humidity                | 20-99 % non-condensing according to EN 15684 class 4                                                                             |
| Areas of application        | Interior and exterior doors, tubular frame doors etc.                                                                            |
| Article abbreviation        | TEC-Z-CH-LA                                                                                                                      |
| Article program             | TECTIQ                                                                                                                           |
| Battery - runtime           | At 20 °C (room temperature): up to 60,000 cycles or 3.5 years if not actuated h                                                  |
| Battery compartment         | In outer knob                                                                                                                    |
| Battery type                | VARTA Lithium battery 3V CR2/CR15H270/6206                                                                                       |
| Battery warning levels      | 2 levels                                                                                                                         |
| Bluetooth version           | 5.1                                                                                                                              |
| Certifications              | EN 15684:2020 1-6-B-4-x-D-3-A/D                                                                                                  |
| Colour                      | Outer knob: brushed stainless steel black or grey / Inner knob: brushed stainless steel / Cylinder body: brushed stainless steel |
| Construction type of device | Double knob cylinder                                                                                                             |
| Corrosion protection        | According to EN 1670 class 3/EN 15684 class 4                                                                                    |
| Cylinder profiles           | Swiss round                                                                                                                      |
| Dimensions                  | External knob: L = 48 mm, Ø = 38 mm, internal knob: L = 27 mm, Ø = 33 mm                                                         |
| Drill protection            | Security (EN 15684 Ziffer 8 Klasse D)                                                                                            |
| Emergency power supply      | Yes, Micro USB                                                                                                                   |
| Extension steps             | 5 mm                                                                                                                             |
| Factory reset               | Yes                                                                                                                              |
| Fatigue strength            | > 200.000 cycles (EN 15684:2020 class 6)                                                                                         |
| Internal knob variants      | Square / Slim                                                                                                                    |
| Management                  | TECTIQ Access Manager                                                                                                            |
| Material                    | Outer cap: stainless steel, plastic / Inner knob: stainless steel / Cylinder body: brass                                         |
| Max. External length        | 57.5 mm                                                                                                                          |
| Max. Internal length        | 57.5 mm                                                                                                                          |
| Max. Number of blacklists   | 120                                                                                                                              |
| Max. Operating temperature  | 65 °C                                                                                                                            |
| Memory type                 | Ring memory: 890 events                                                                                                          |

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## Technical data - TECTIQ double knob cylinder, reader outside CH

|                            |                                                                                                                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Min. external length       | 32.5 mm                                                                                                                                                                                        |
| Min. indoor length         | 32.5 mm                                                                                                                                                                                        |
| Min. operating temperature | -25 °C                                                                                                                                                                                         |
| Net weight                 | 0.558 kg                                                                                                                                                                                       |
| Opening time adjustable    | Yes (6/12 Sec)                                                                                                                                                                                 |
| Outside knob variants      | Square / Round                                                                                                                                                                                 |
| Power supply               | Rechargeable battery                                                                                                                                                                           |
| Programming 1              | TECTIQ System Cards, TECTIQ Admin App                                                                                                                                                          |
| Programming technology     | RFID (13.56 MHz) / Bluetooth (2.4 GHz)                                                                                                                                                         |
| Protection class IP        | 67                                                                                                                                                                                             |
| RFID frequency             | 13.56 MHz                                                                                                                                                                                      |
| RFID range                 | ≤ 1 cm                                                                                                                                                                                         |
| RFID technology            | MIFARE® DESFire® EV1, EV2, EV3                                                                                                                                                                 |
| Radio conformity           | ETSI EN 300 328                                                                                                                                                                                |
| Radio encryption           | AES 128-Bit                                                                                                                                                                                    |
| Radio networked            | Yes                                                                                                                                                                                            |
| Radio standard             | Bluetooth Low Energy 2,4 GHz                                                                                                                                                                   |
| Real-time clock (RTC)      | Yes                                                                                                                                                                                            |
| Security features          | Freely rotating outside knob to prevent unauthorized access, engagement only when an authorised locking medium is presented, predetermined breaking point on outside knob, drilling protection |
| Special functions          | Office Mode                                                                                                                                                                                    |
| Special lengths            | Yes, on request                                                                                                                                                                                |
| Transmission power         | -4 dBm                                                                                                                                                                                         |
| Transponder conformity     | Passive-Transponder ISO 14443 A (MIFARE® DESFire®)                                                                                                                                             |
| Transponder encryption     | AES 128-Bit                                                                                                                                                                                    |
| Update capability          | Yes (USB Updater Cable / Admin App)                                                                                                                                                            |
| WEEE group                 | 09                                                                                                                                                                                             |
| backset                    | ≥ 30 (round knob)/ ≥ 35 (square knob) mm                                                                                                                                                       |
| signaling                  | Visual                                                                                                                                                                                         |