

TECTIQ half cylinder CH

Art.-Nr. TEC-Z-CH-HZ

Seite 1 von 3



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 half cylinder is suitable for exterior and interior doors with door leaves 32.5 to 57.5 mm thick. 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 Half cylinder (Switzerland round) for secure yet simple and flexible installation on doors (e.g. single-sided profile cylinder perforation), key switches or garage doors
- High-quality finish Half cylinder 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® 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

TECTIQ half cylinder CH

Art.-Nr. TEC-Z-CH-HZ

Seite 2 von 3

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 half cylinder CH

| | |
|----------------------------|--|
| Administration | TECTIQ Access Manager |
| Area of application | Doors, garage doors, key switches |
| Backset | ≥ 30 mm (round knob)/ ≥ 35 mm (square knob) |
| Backup power supply | Yes, Micro USB |
| Battery - runtime | At 20 °C (room temperature): up to 60,000 cycles or 3.5 years if not actuated |
| Battery - type | VARTA Lithium battery 3V CR2/CR15H270/6206 |
| Battery compartment | In knob |
| Battery warning stages | 2 levels |
| Bluetooth version | 5.1 |
| Certifications | EN 15684:2020 1-6-B-4-x-D-3-A/D |
| Colour | knob: brushed stainless steel black or grey / Cylinder body: brushed stainless steel |
| Corrosion protection | According to EN 1670 class 3/EN 15684 class 4 |
| Custom lengths | Yes, on request |
| Cylinder profiles | Swiss round |
| Design | Half cylinder |
| Dimensions | knob: L = 48 mm, Ø = 38 mm |
| Drill protection | Security (EN 15684 Ziffer 8 Klasse D) |
| Extension steps | 5 mm |
| Factory reset | Yes |
| Fatigue strength | > 200.000 cycles (EN 15684:2020 class 6) |
| Humidity | 20-99 % non-condensing according to EN 15684 class 4 % |
| IP protection class | 67 |
| Item abbreviation | TEC-Z-CH-HZ |
| Material | cap: stainless steel, plastic / Cylinder body: brass |
| Max. blacklist number | 120 |
| Max. operating temperature | 65 °C |
| Max. outside length | 57,5 mm |
| Min. operating temperature | -25 °C |
| Min. outside length | 32,5 mm |
| Opening time can be set | Yes (6/12 Sec) |
| Outside knob variants | Square / Round |

TECTIQ half cylinder CH

Art.-Nr. TEC-Z-CH-HZ

Seite 3 von 3

Technical data - TECTIQ half cylinder CH

| | |
|------------------------|--|
| Programming | TECTIQ System Cards, TECTIQ Admin App |
| Programming technology | RFID (13.56 MHz) / Bluetooth (2.4 GHz) |
| RFID frequency | 13,56 MHz |
| RFID range | ≤ 1 cm |
| RFID technology | MIFARE® DESFire® EV1, EV2, EV3 |
| 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 |
| Signalling | Visual |
| Special functions | Office Mode |
| Storage type | Ring memory: 890 events |
| 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) |
| Wireless conformity | ETSI EN 300 328 |
| Wireless encryption | AES 128-Bit |
| Wireless standard | Bluetooth Low Energy 2,4 GHz |