TECTIQ half cylinder

Art.-Nr. TEC-Z-HZ

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 cap (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.

Customised modular extension
The half cylinder is suitable for exterior and interior doors with door leaves 30 to 60 mm thick. Extension modules in 5 mm increments are used to adapt the length to individual conditions, including flexibly on site or for shaft extension for doors with core pull protection.

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. With panic function for emergency exit doors (EN 179/EN 1125).

Further options & configurations
Fire protection: Standard T30 and optional T90; optional security drill protection with extra-reinforced anti-drill protection (SKG***) and core pull protection extension, e.g. for exterior and security doors.

Technologies

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- Electronic TECTIQ Half cylinder 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 the latest firmware update
- Elegant design in different Design variants to match the style of your building thanks to different colours and knobs
- Suitable for any door leaf thickness: cylinder length can be individually adjusted from 30 to 60 mm on each side thanks to the modular extension concept (length of the configured cylinder can still be adjusted on site)
- Replace the cylinder instead of the fitting set: 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)
- For installation in fittings with core pull protection or doors without profile perforation: optionally available with core pull protection extension (OPZ) to guide the outer shaft of the cylinder up to 10 mm through the fitting
- Tested, certified quality: EN 15684, SKG*** (security), FZG, fire protection T30

Technical data - TECTIQ half cylinder

Air humidity	20-99 % non-condensing according to EN 15684 class 4
Areas of application	Doors, garage doors, key switches
Article abbreviation	TEC-Z-HZ
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 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, optional SKG*** (with Security drilling protection)
Colour	knob: brushed stainless steel black or grey / Cylinder body: brushed stainless steel
Construction type of device	Half cylinder
Corrosion protection	According to EN 1670 class 3/EN 15684 class 4
Cylinder profiles	Euro profile
Dimensions	knob: L = 48 mm, Ø = 38 mm
Drill protection	Standard / Security (SKG***/EN 15684 clause 8 class D)
Emergency power supply	Yes, Micro USB
Extension steps	5 mm (modular)
FZG	Yes
Factory reset	Yes

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Fatigue strength	> 200.000 cycles (EN 15684:2020 class 6)
Management	TECTIQ Access Manager
Material	cap: stainless steel, plastic / Cylinder body: brass
Max. External length	60 mm
Max. Number of blacklists	120
Max. Operating temperature	65 °C
Memory type	Ring memory: 890 events
Min. external length	30 mm
Min. operating temperature	-25 °C
Modularity	Yes
Net weight	0.555 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 knob to prevent unauthorized access, engagement only when an authorised locking medium is presented, predetermined breaking point on 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)
Use Escape and rescue routes	Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)
Variants	Drilling protection standard/security
WEEE group	09
backset	≥ 30 (round knob)/ ≥ 35 (square knob) mm
signaling	Visual

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