

TECTIQ padlock 86TI/55 – black

Art.-Nr. TTVH10000

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SIMPLE. ACCESS. ORGANISATION.
With the digital TECTIQ locking system.

The TECTIQ padlock secures doors, gates and places where no door cylinder or fitting fits - and integrates them into the TECTIQ access control system. It 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 electronic padlock is battery-operated and requires no external wiring or wireless connection.

Flexible use indoors and outdoors

The robust padlock with a lock body made of TITANIUM™ special aluminium is ideal for indoor and outdoor use. The hardened steel shackle with NANO PROTECT™ coating ensures a very high level of corrosion protection. The electronic cylinder also has a weather-resistant stainless steel knob (protection class IP67). The padlock secures a wide range of access points and locations such as doors, gates, machines, server and switch cabinets, medicine and filing cabinets, lockers, parcel, mesh and transport boxes, containers, etc.

Validation & access

ABUS TECTIQ saves permissions and events on the RFID locking medium (Data-on-Card). The optical illuminated ring

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signals to users whether they are authorised to access the system.

Technologies

- Electronic TECTIQ padlock for use with ABUS TECTIQ, the electronic data-on-card locking system
- For securing chains, doors and gates, server and switch cabinets, medicine and filing cabinets, lockers, parcel, mesh and transport boxes, containers, sheds, etc.
- Secure, readout-protected data exchange with TECTIQ locking media (MIFARE® DESFire®); with free-running exterior knob: no access without authentication
- Lock body made from TITALIUM™, a special aluminium alloy – high security at low weight
- Robust design thanks to hardened steel shackle (shackle height 55 mm/shackle diameter 8 mm) with NANO PROTECT™ coating for very high corrosion protection
- Can be used indoors and outdoors thanks to the highly weather-resistant housing of the electronic knob (IP67) made of stainless steel
- The cylinder can be programmed via Bluetooth with the TECTIQ Admin app and, for example, receive a new time or the latest firmware update

Technical data - TECTIQ padlock 86TI/55 – black

Administration	TECTIQ Access Manager
Area of application	Mesh boxes, containers, crates, gates, steel cabinets
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	CE
Colour	knob: brushed stainless steel black / Cylinder body: brushed stainless steel / padlock titanium
Corrosion protection	According to EN 1670 class 3/EN 15684 class 4
Cylinder profiles	Euro profile
Design	Padlock
Dimensions	knob: L = 48 mm, Ø = 38 mm
Drill protection	Standard
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-VH-86TI-55
Material	Cap: stainless steel, plastic / Cylinder body: brass / Padlock Titanium

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Max. blacklist number	120
Max. operating temperature	65 °C
Min. operating temperature	-25 °C
Opening time can be set	Yes (6/12 Sec)
Outside knob variants	Square / Round
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 knob to prevent unauthorized access, engagement only when an authorised locking medium is presented, predetermined breaking point on knob, drilling protection
Signalling	Visual
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