

Art.-Nr. TEC-Z-LA-P Seite 1 von 4



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 double knob cylinder is suitable for exterior and interior doors with door leaves 30 to 90 mm thick on each side. 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

- Electronic TECTIQ panic double knob cylinder for secure, simple and flexible installation on almost all doors (solid leaf, profile frame, timber, aluminium, steel, plastic)
- High-quality double knob cylinder with panic function (RFID reader outside), stainless steel outside knob and



Art.-Nr. TEC-Z-LA-P Seite 2 von 4

continuous stainless steel look in a discreet, puristic 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 90 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
- For use in escape/rescue routes (EN 179/1125) with defined reset of the lock cam
- Tested, certified quality: EN 15684, EN 179/1125, SKG*** (SEC), fire protection T30

Technical data - TECTIQ double knob cylinder, reader outside panic

Administration	TECTIQ Access Manager
Area of application	Doors with emergency exit keys according to EN 179/EN 1125 and locks that require a
	defined cam position
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 outer knob
Battery warning stages	2 levels
Bluetooth version	5.1
Certifications	EN 15684:2020 1-6-B-4-x-D-4-A/D, optional SKG*** (with Security drilling protection)
Colour	Outer knob: brushed stainless steel black or grey Inner knob: brushed stainless
	steel Cylinder body: brushed stainless steel
Core pulling protection	Optional 10 mm (configuration feature)
extension	
Corrosion protection	According to EN 1670 class 3/EN 15684 class 4
Custom lengths	Yes, on request
Cylinder profiles	Euro profile
Design	Double knob cylinder
Dimensions	External knob: L = 48 mm, Ø = 38 mm, internal knob: L = 27 mm, Ø = 33 mm
Drill protection	Standard Security (SKG***/EN 15684 clause 8 class D)



Art.-Nr. TEC-Z-LA-P Seite 3 von 4

Technical data - TECTIQ double knob cylinder, reader outside panic

accordance with EN179 and 1125 Extension steps 5 mm (modular) Factory reset Yes 720.000 cycles (EN 15684:2020 class 6, EN 179) Fire protection class 130 Humidity 20-99 % non-condensing according to EN 15684 class 4 IP protection class 67 Inside knob variants Square Slim Item abbreviation TEC-2-LA-P Material Outer cap: stainless steel, plastic Inner knob: stainless steel Cylinder body: brass Max. Inside length 90 mm Max. operating temperature 65 ° C Max. outside length 90 mm Min. inside length 30 mm Min. operating temperature -25 ° C Min. outside length 30 mm Min. operating temperature -25 ° C Min. outside length 30 mm Min. operating temperature -25 ° C Min. outside length 30 mm Min. operating temperature -25 ° C Min. outside length 30 mm Min. operating temperature -125 ° C Min. outside length 30 mm Min. operating temperature -25 ° C Min. outside length 30 mm Min. operating temperature -25 ° C Min. outside length 30 mm Min. operating temperature -25 ° C Min. outside length 30 mm Min. operating temperature -25 ° C Min. outside length 30 mm Min. operating temperature -25 ° C Min. outside Roub variants Square Round -25 ° C Outside Knob variants Square Round -25 ° C Outside Knob variants Square Round -25 ° C Outside Nob variants Square Round -25 ° C Square Silm	Emergency variant in	Defined cam position
Extension steps	accordance with EN179 and	
Factory reset Fatigue strength > 200.000 cycles (EN 15684:2020 class 6, EN 179) Fire protection class Ta0 Humidity 20-99 % non-condensing according to EN 15684 class 4 IP protection class 67 Inside knob variants Square Slim Ittern abbreviation TEC-7-LA-P Material Outer cap: stainless steel, plastic Inner knob: stainless steel Cylinder body: brass Max. blacklist number Max. operating temperature 65 °C Max. outside length 90 mm Min. inside length Min. inside length 30 mm Min. operating temperature -25 °C Min. outside length 30 mm Modularity Yes Opening time can be set Yes (6/12 Sec) Outside knob variants Square Round Programming technology RFID (13.56 MHz) Bluetooth (2.4 GHz) RFID trage RFID trage RFID trage RFID trage RFID trace 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) Ves according to EN 179 and EN 1125, see lock compatibility list (mandatory)	1125	
Fatigue strength 200.000 cycles (EN 15684:2020 class 6, EN 179)	Extension steps	5 mm (modular)
Fire protection class Humidity 20-99 % non-condensing according to EN 15684 class 4 IP protection class 67 Inside knob variants Square Slim Item abbreviation TEC-Z-LA-P Material Outer cap: stainless steel, plastic Inner knob: stainless steel Cylinder body: brass Max. blacklist number 120 Max. obside length 90 mm Max. operating temperature 65 °C Max. outside length 30 mm Min. inside length Min. operating temperature 45 °C Min. outside length 75 °C Min. outside length 76 Norman Square Round 77 Programming TeCTIQ System Cards, TECTIQ Admin App 78 Programming TECTIQ System Cards, TECTIQ Admin App 78 FID frange FID frange FID frange FID frange FID frange FID frange Fine clock (RTC) 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 Firansmission power Fransponder conformity Fransponder conformity Fransponder conformity Fransponder conformity Fransponder conformity Fres (USB Updater Cable Admin App) Use on escape and rescue Freel vecording to EN 179 and EN 1125, see lock compatibility list (mandatory)	Factory reset	Yes
Humidity 20-99 % non-condensing according to EN 15684 class 4 IP protection class 67 Inside knob variants 5quare Slim Item abbreviation TEC-7-LA-P Material 0uter cap: stainless steel, plastic Inner knob: stainless steel Cylinder body: brass Max. blacklist number 120 Max. inside length 90 mm Max. operating temperature 65 ° C Max. outside length 30 mm Min. inside length 30 mm Min. operating temperature 25° C Min. outside length 30 mm Modularity Yes Opening time can be set Yes (6/12 Sec) Outside knob variants 5quare Round Programming TECTQ System Cards, TECTIQ Admin App Programming technology RFID (13.56 MHz) Bluetooth (2.4 GHz) RFID frequency 13,56 MHz 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) Use on escape and rescue Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)	Fatigue strength	> 200.000 cycles (EN 15684:2020 class 6, EN 179)
IP protection class	Fire protection class	T30
Inside knob variants Square Slim Item abbreviation TEC-Z-LA-P Material Outer cap: stainless steel, plastic Inner knob: stainless steel Cylinder body: brass Max. Inside length 90 mm Max. operating temperature 65 °C Max. outside length 90 mm Min. inside length 30 mm Min. operating temperature -25 °C Min. outside length 30 mm Modularity Yes 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® EVI, EVZ, 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 St	Humidity	20-99 % non-condensing according to EN 15684 class 4
TEC-Z-LA-P Material Outer cap: stainless steel, plastic Inner knob: stainless steel Cylinder body: brass Max. blacklist number Max. outside length 90 mm Max. outside length 90 mm Min. inside length 30 mm Min. operating temperature -25 °C Min. outside length 30 mm Modularity Yes Opening time can be set Yes (6/12 Sec) Outside knob variants Square Round 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 Transponder conformity Passive-Transponder ISO 14443 A (MIFARE® DESFire®) Transponder encryption AES 128-Bit Update capability Yes (USB Updater Cable Admin App) Use on escape and rescue Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)	IP protection class	67
Material Outer cap: stainless steel, plastic Inner knob: stainless steel Cylinder body: brass Max. blacklist number 120 Max. inside length 90 mm Max. outside length 90 mm Min. inside length 30 mm Min. operating temperature -25 °C Min. outside length 30 mm Modularity Yes 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 tachnology 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 Transponder conformity Passive-Transponder ISO 14443 A (MIFARE® DESFire®) Transponder encryption	Inside knob variants	Square Slim
Max. blacklist number 120 Max. inside length 90 mm Max. operating temperature 65 °C Max. outside length 90 mm Min. inside length 30 mm Min. operating temperature -25 °C Min. outside length 30 mm Modularity Yes 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 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, according to EN 179 and EN 1125, see lock compatibility list (mandatory)	Item abbreviation	TEC-Z-LA-P
Max. inside length 90 mm Max. operating temperature 65 °C Max. outside length 90 mm Min. inside length 30 mm Min. operating temperature -25 °C Min. outside length 30 mm Modularity Yes 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® EVI, 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 Transponder conformity Passive-Transponder ISO 14443 A (MIFARE® DESFire®) Transponder encryption AES 128-Bit Update capability Yes (USB Updater Cable Admin App)	Material	Outer cap: stainless steel, plastic Inner knob: stainless steel Cylinder body: brass
Max. operating temperature 65 °C Max. outside length 90 mm Min. inside length 30 mm Min. operating temperature -25 °C Min. outside length 30 mm Modularity Yes 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 requency 13,56 MHz RFID technology MIFARE® DESFire® EVI, 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 Transponder conformity Passive-Transponder ISO 14443 A (MIFARE® DESFire®) Transponder encryption AES 128-Bit Update capability Yes (USB Updater Cable Admin App) Use on escape and rescue Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)	Max. blacklist number	120
Max. outside length 90 mm Min. inside length 30 mm Min. operating temperature -25 °C Min. outside length 30 mm Modularity Yes 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 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, according to EN 179 and EN 1125, see lock compatibility list (mandatory)	Max. inside length	90 mm
Min. inside length Min. operating temperature -25 °C Min. outside length 30 mm Modularity Yes Opening time can be set Yes (6/12 Sec) Outside knob variants Square Round Programming Programming technology RFID (13.56 MHz) Bluetooth (2.4 GHz) RFID requency RFID requency 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 Storage type Ring memory: 890 events Transmission power Transponder conformity Passive-Transponder ISO 14443 A (MIFARE® DESFire®) Transponder encryption AES 128-Bit Update capability Yes (USB Updater Cable Admin App) Use on escape and rescue Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)	Max. operating temperature	65 °C
Min. operating temperature -25 °C Min. outside length 30 mm Modularity Yes 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 reduction MIFARE® DESFire® EVI, 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 Transponder conformity Passive-Transponder ISO 14443 A (MIFARE® DESFire®) Transponder encryption AES 128-Bit Update capability Yes (USB Updater Cable Admin App) Use on escape and rescue Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)	Max. outside length	90 mm
Min. outside length 30 mm Modularity Yes 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 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) Use on escape and rescue Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)	Min. inside length	30 mm
Modularity Yes 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 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) Use on escape and rescue Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)	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 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) Use on escape and rescue Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)	Min. outside length	30 mm
Outside knob variants Programming 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) Use on escape and rescue Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)	Modularity	Yes
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) Use on escape and rescue Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)	Opening time can be set	Yes (6/12 Sec)
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) Use on escape and rescue Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)	Outside knob variants	Square Round
RFID frequency RFID range RFID technology REID technology Real-time clock (RTC) 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 Transponder conformity Passive-Transponder ISO 14443 A (MIFARE® DESFire®) Transponder encryption AES 128-Bit Update capability Yes (USB Updater Cable Admin App) Use on escape and rescue Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)	Programming	TECTIQ System Cards, TECTIQ Admin App
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) Use on escape and rescue Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)	Programming technology	RFID (13.56 MHz) Bluetooth (2.4 GHz)
RFID technology 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 Transponder conformity Passive-Transponder ISO 14443 A (MIFARE® DESFire®) Transponder encryption AES 128-Bit Update capability Ves (USB Updater Cable Admin App) Use on escape and rescue Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)	RFID frequency	13,56 MHz
Real-time clock (RTC) 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 Transponder conformity Passive-Transponder ISO 14443 A (MIFARE® DESFire®) Transponder encryption AES 128-Bit Update capability Yes (USB Updater Cable Admin App) Use on escape and rescue Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)	RFID range	≤ 1 cm
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 Transponder conformity Passive-Transponder ISO 14443 A (MIFARE® DESFire®) Transponder encryption AES 128-Bit Update capability Yes (USB Updater Cable Admin App) Use on escape and rescue Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)	RFID technology	MIFARE® DESFire® EV1, EV2, EV3
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 Transponder conformity Passive-Transponder ISO 14443 A (MIFARE® DESFire®) Transponder encryption AES 128-Bit Update capability Ves (USB Updater Cable Admin App) Use on escape and rescue Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)	Real-time clock (RTC)	Yes
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 Ves (USB Updater Cable Admin App) Use on escape and rescue Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)	Security features	Freely rotating outside knob to prevent unauthorized access, engagement only when
Signalling Special functions Office Mode Storage type Ring memory: 890 events Transmission power Transponder conformity Passive-Transponder ISO 14443 A (MIFARE® DESFire®) Transponder encryption AES 128-Bit Update capability Yes (USB Updater Cable Admin App) Use on escape and rescue Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)		an authorised locking medium is presented, predetermined breaking point on
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) Use on escape and rescue Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)		outside knob, drilling protection
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) Use on escape and rescue Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)	Signalling	Visual
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 on escape and rescue Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)	Special functions	Office Mode
Transponder conformity Passive-Transponder ISO 14443 A (MIFARE® DESFire®) AES 128-Bit Update capability Ves (USB Updater Cable Admin App) Use on escape and rescue Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)	Storage type	Ring memory: 890 events
Transponder encryption AES 128-Bit Update capability Yes (USB Updater Cable Admin App) Use on escape and rescue Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)	Transmission power	-4 dBm
Update capability Yes (USB Updater Cable Admin App) Use on escape and rescue Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)	Transponder conformity	Passive-Transponder ISO 14443 A (MIFARE® DESFire®)
Use on escape and rescue Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)		AES 128-Bit
	Update capability	Yes (USB Updater Cable Admin App)
routes	Use on escape and rescue	Yes, according to EN 179 and EN 1125, see lock compatibility list (mandatory)
	routes	



Art.-Nr. TEC-Z-LA-P Seite 4 von 4

Technical data - TECTIQ double knob cylinder, reader outside panic

Variants	Drilling protection standard/security, core pull protection extension
Wireless conformity	ETSI EN 300 328
Wireless encryption	AES 128-Bit
Wireless standard	Bluetooth Low Energy 2,4 GHz