

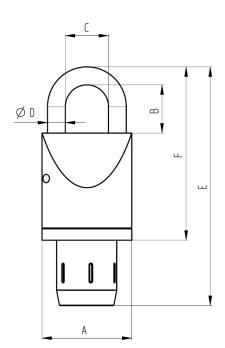




| Technical Data | DOM Tapkey Pro BLE Padlock |
|----------------------|---|
| General: | Padlock without forced closing |
| Technology: | 13,56 MHz (RFID / NFC) 2,4 GHz (BLE: Bluetooth Low Energy) |
| Material: | Housing: Solid brass, surface matt chrome plated Bottom plate: Polyamide (PA66) Shackle: Steel (10B21), surface brilliant chrome plated Knob of cylinder: Stainless steel 1.4305 |
| Durability: | Padlock: at least 10,000 cycles (according to DIN EN 12320, grade 1) Cylinder: at least 100,000 cycles (according DIN EN 1303 and EN 15684 grade 6) |
| Mechanical strength: | Strength of shackle: Tensile strength: Torsional strength: Cutting strength: ≥ 15 kN (Ch. 5.5.5, DIN EN 12320) ≥ 200 Nm (Ch. 5.5.6, DIN EN 12320) ≥ 25 kN (Ch. 5.5.7, DIN EN 12320) |
| | Impact resistance of padlock housing and shackle: Tested with 5 shocks at -20°C (falling mass of 1,250 g from a height of 800 mm) |
| Dimensions: | Width A = 56 mm Thickness G = 43 mm Length without knob F = 109 mm with knob E = 150 mm Shackle diameter D = 11.1 mm Inner shackle height B = 30 mm |

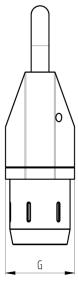
Inner shackle width

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C =

27 mm









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| Power supply: | Battery pack with 2 lithium cells 3.0 Volt Type CR2 (Li-MnO₂ system) | | | |
| Battery life time and data preservation: | At room temperature (+20°C): Up to 35.000 locking cycles or Up to 2 years in case of non-use or Up to 1,5 years for typical 10 locking cycles per day | | | |
| | Intelligent battery management: Multilevel temperature-compensated alarm system in case of voltage drop 10 years data preservation without battery | | | |
| Time / Date: | • Buffering typically 1 minute (in case of battery change) | | | |
| | Clock drift at room temperature: ±10 minutes/year at -25°C and +70°C: -50 minutes/year | | | |
| Clutch duration: | • 8 seconds | | | |
| Signalling: | Optical signalling by 4 multicolour LEDs Circular lighting segments in knob cover | | | |
| Certifications: | Certification of the cylinder according to EN 15684 (PIV test reports 49-4/18) | | | |
| | Digit 1 2 3 4 5 6 7 8 Grade 1 6 B 4 A F 3 2 | | | |
| | Certification of the padlock according to DIN EN 12320 (PIV test report 51-2/15): | | | |
| | Digit 1 2 3 4 Grade 1 1 3 3 | | | |
| Environmental: | Padlock in combination with Pro cylinder: Temperature: -25°C to +65°C Humidity: 20-96% no condensation Anticorrosive according to grade 3 DIN EN 12320 (salt spray test 96 h) | | | |
| | Locking cylinder: Temperature: -25°C to +65°C (grade 4 EN 15684) Humidity: 20-99% no condensation (grade 4 EN 15684) Protection class: IP66 (knob), IP65 (complete cylinder) Anticorrosive according to grade 3 DIN EN 1670 (salt spray test 96 h) | | | |
| Programming: | Programming via NFC/BLE-enabled smartphones with the following prerequisites: Android APP as of Android 5.0 (NFC/BLE) iOS APP iOS 9 or higher / iPhone 5 (BLE) Programming of transponders exclusively via Android APP with NFC Google ID or Tapkey ID required | | | |
| Events: | Ring buffer for the latest 1,000 events | | | |
| 05.09.2023 | DOM Sicherheitstechnik GmbH & Co. KG 2 / 3 | | | |







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| Inductive transponder interface: | Reading range: up to 3 cm Frequency: 13.56 MHz Field strength in 10 m distance: <42 dB μA/m In conformity with ETSI EN 300 330 | |
| | • Supports passive transponders (ISO 14443 A) & NFC (ISO | /IEC 18092) |
| | • Encryption: Mifare DESFire EV1/EV2/EV3: AES-128 Bit | |
| Pluotooth Low Enorgy (PLE): | | |
| Bluetooth Low Energy (BLE): | Communication range Frequency: Transmission power: Conformity to ETSI EN 300 328 Bluetooth version: 5.0 (≥ Firmwareversion 3.2) | typical 10 m 2,4 GHz < 20 dBm |
| Encryption / security on the interfaces (NFC/BLE and backend): | TLCP: Tapkey BLE Pro ← → APP ← → Tapkey Trust Servic AES-128, CMAC (NIST 800-38B), RNG (ANSI X9.31) Communication to backend: HTTPS, RSA with 4.096 bit, SHA 256, TLS 1.0 or higher | ce: |
| T | | |
| Transponder types: | DOM Tapkey Standard Tag | |
| Storage of access authorizations | Access authorization on the transponder: Up to 12 devices Access authorization on Android / iOS smartphone: No limit of devices No limit of users (Google or Tapkey IDs) > 5 users fee-based (see license model) | |



All data correspond to the actual development status and are subject to change at any time without notice.