



Technical Data DOM Tapkey Pro

Variants:

- DOM Tapkey Pro double cylinder and half cylinder
- Even the standard version includes all mechanic and electronic security features:
 - Body and core drilling protection
 - separate control electronic for actor in the core
- DOM Tapkey Pro EE double cylinder (emergency exit) application in escape and emergency routes where a well-defined cylinder cam position is required
 - EE-IM: operation by special mechanical key from inside
 - EE-OI: without inside knob
- DOM Tapkey Pro KL (German: „Kurz-Lang“ cylinder) reduced outside length of 27,5 mm (see cylinder lengths)
- DOM Tapkey Pro GL (cylinder für glass doors) reduced inside length of 10-27,5 mm (see cylinder lengths)
- DOM Tapkey Pro OI (without inside knob) blind cylinder on the inside
- DOM Tapkey Pro BS (reader on both sides) reading of transponders also on the inside
- DOM Tapkey Pro KZSV (German: Kernziehschutzverlängerung)
 - for assembly in fittings with core pulling protection
 - protruding outer shaft by 8,5m
- DOM Tapkey Pro CH (22 mm Swiss round profile)
- DOM Tapkey Pro 382 lever cylinder (e.g. for letter boxes)
 - length 31,8 mm, for mounting holes Ø26x22 mm
 - 90° turning movement with self-holding end positions
 - adjustable lever position: 4x90°

Technology:

- 13,56 MHz Mifare

Feature combinations:

Variants	Code	DZ	HZ	EE	KL	GL	OI	BS	KZSV	CH
Double cylinder	DC			X	X	X	X	X	X	X
Half cylinder	HC			O	O				X	X
EE (Emergency Exits)	EE				O	O	X	O	X	X
Short-Long	KL					O	X	O	X	X
Glas door cylinder	GL							O	X	X
without inside knob	OI								X	X
Reader on both sides	BS								X	X
core pulling protection	KZSV									X
Swiss round profile	CH									

Legend: X available
O not available





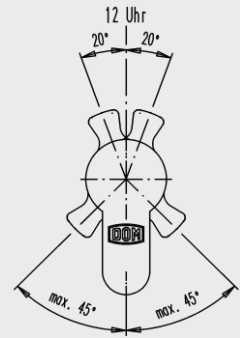
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Position of cylinder cam (only for ENiQ Pro EE):

- The DOM Tapkey Pro EE has a spring driven reset mechanism to turn the cylinder cam to a fixed position.
- Due to the cylinder construction the reset mechanism does not work within the angular dead centers $12^{00} \pm 20^\circ$ and $6^{00} \pm 45^\circ$.

! For the version IM the correct resetting function of the cam is only ensured in case of unplugged key.



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 25.000 locking cycles or
- up to 3 years by typical 10 use per day

- multilevel 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

Durability:

- at least 100.000 cycles
(according DIN EN 1303 and EN 15684 grade 6)

Cylinder length:

- Max. 80/80 mm, higher lengths on request
- Glass door cylinder with inner length from 10 to 27,5 mm
- version KL with outer length 27,5 mm
- extendable in 5 mm steps
(glass door cylinder: inner side in 2,5mm steps)

- For backset < 30 mm the application is to be checked

Knobs:

- Outside knob: stainless steel
size: \varnothing 37,5 mm, length 44,8 mm
- Inside knob: pot metal
size: \varnothing 32 mm, length 30 mm
- for double cylinder with two-side readability
both knobs: stainless steel
size: \varnothing 37,5 mm, length 44,8 mm

Signalling:

- optical signalling (red/green/blue)
- circular lighting segments in knob cover

Clutch duration:

- adjustable ranging from 1 to 30 seconds



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Approvals and certifications:

- VdS-BZ+ approval in preparation
- Test fire resistance T90 (ift test report 15-000580) *)
- certification according to EN 15684 (PIV test report 49-2/15)

digit	1	2	3	4	5	6	7	8
DOM Tapkey Pro	1	6	B	4	A	F	3	2
- tested as free-wheeling cylinder according to test directive FZG, version 2010_01 of PIV (test report 20-8/15)
- *) VdS approval as well as fire resistance test T90 shall not apply to the Swiss round cylinder DOM Tapkey Pro CH and not for the versions DOM Tapkey Pro 382

Environmental:

- Temperature: -25°C to +65°C (class 4 EN 15684)
- Humidity: 20-99% no condensation (class 4 EN 15684)
- Protection class (PIV test report 44-3/15)
 - IP66 (outside knob) for all variants
 - IP 65 (complete Europrofile cylinder, all variants)
- anticorrosive according to DIN EN 1670 class 3 and grade 4 of EN 15684
- SO₂ corrosion test according to VdS 2156-2 and DIN EN ISO 6988 (15 cycles with 0,2 l SO₂)
- According to VdS guideline 2156-2 the ENiQ Pro cylinder is designed for a weatherproof installation.

Programming:

- Programming via NFC Android Device; Android 4.4 or higher
- Google ID or Tapkey ID required

Events:

- ring buffer for the latest 1.000 events

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 according to ISO 14443 A
- supports NFC according to ISO/IEC 18092
- encryption: - Mifare DESFire EV2: AES-128 Bit

Transponder types:

- DOM Standard Tag

Storage of access authorizations

- Access authorization on Transponder:*
- up to 12 Devices
- Access authorization on Android NFC Device:*
- No limit of Devices
 - No limit of User (Google or Tapkey IDs)



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

