



G

Technical Data	ENiQ [®] Pro Padlock
General:	Padlock without forced closing
Technology:	• 13,56 MHz Mifare
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, class 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: $\geq 15 \text{ kN}$ (Ch. 5.5.5, DIN EN 12320) $\geq 200 \text{ Nm}$ (Ch. 5.5.6, DIN EN 12320) $\geq 25 \text{ kN}$ (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:	WidthA =56 mmThicknessG =43 mmLength without knobF =109 mmwith knobE =150 mmShackle diameterD =11,1 mmInner shackle heightB =30 mmInner shackle widthC =27 mm

А



DOM

Technical Data	ENiQ [®] Pro Padlock
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 100.000 locking cycles or up to 3 years in case of non-use
	 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
Signalling:	 optical signalling (red/green/blue) circular lighting segments in knob cover
Clutch duration:	 adjustable ranging from 1 to 30 seconds permanent open/close mode
Certifications of cylinder:	 VdS-BZ+ approval SKG*** approval (certificate no. 442-393.04/05)
	 certification according to EN 15684 (PIV test report 49-2/15) Digit 1 2 3 4 5 6 7 8 ENiQ Pro cylinder 1 6 B 4 A F 3 2
Certifications of padlock:	Certified according to DIN EN 12320 (PIV test report 51-2/15):
	Digit 1 2 3 4 Padlock ENiQ Pro 1 1 3 3
Environmental:	 Padlock in combination with ENiQ Pro cylinder: Temperature: -25°C to +65°C Humidity: 20-96% no condensation anticorrosive according to class 3 DIN EN 12320 (salt spray test 96 h)
	 Locking cylinder: Temperature: -25°C to +65°C (class 4 EN 15684) Humidity: 20-99% no condensation (class 4 EN 15684) Protection class: IP66 (knob), IP65 (complete cylinder) anticorrosive according to class 3 DIN EN 1670 (salt spray test 96 h)
Administration by software:	 Programming by ENiQ AccessManagement software via USB- RF-Stick (See datasheet of ENiQ AccessManagement) Storage of max. 5 programming cards





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Events:	ring buffer for the latest 2.000 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
	 encryption Mifare DESFire EV1: AES-128 Bit Mifare Classik: Crypto-1 encryption additionally: AES-128 Bit encryption with object specific keys
Radio interface (online/offline):	For offline programming by a DOM USB-RF-stick or for the online connection to a DOM RF-NetManager:
	 Key exchange: Curve25519–256 Bit (elliptical curve) Encryption: XSALSA20–256 Bit Signature / Authentication: Poly1305-128 Bit
Transponder types:	 DOM Standard Tag, Premium Plus Tag, ClipTag ISO card transponder other types have to be checked
Storage of access authorisations in the device:	 supported transponders: Mifare DESFire / DESFire EV1 2k, 4k, 8k Mifare Classic 1k, 4k Mifare Plus S/X 2k, 4k Mifare Ultralight / Ultralight C
	 storage of maximal 5.000 authorisations in the device identification of the transponders by their UID or by other unique data
Storage of access authorisations on the transponders:	 supported transponder types: Mifare DESFire EV1 2k, 4k, 8k Mifare Classic 1k
	 other data on the transponder: "blacklist" with blocked transponders authorisation period, weekly schedule at the device





ENiQ[®] Pro Padlock Technical Data Weekly and day's schedules: storage of max. 256 weekly / day's schedules per device each weekly schedule points to 10 arbitrary day's schedules (7 week days and 3 special days for holidays): 1 2 3 4 5 6 7 8 9 10 Mon Tue Wed Thu Fri Sat Sun holiday / vacation DS1 DS2 DS3 DS4 DS5 DS6 DS7 DS8 DS1 DS2 each day's schedule consists of 96 time slots of 15 minutes, in each case definable as authorised or unauthorised: $0^{\underline{00}}$ $1^{\underline{00}}$ $2^{\underline{00}}$ $3^{\underline{00}}$... $20^{\underline{00}}$ $21^{\underline{00}}$ $22^{\underline{00}}$ $23^{\underline{00}}$ access rights of the weekly / day's schedules: - # 0: no access (unauthorised) - # 1: access with no time-limits, active special functions may limit access - ## 2-254: freely definable - # 255: access with no time-limits, active special functions are ignored permanent-open and permanent-close weekly schedules **Holidays:** storage of maximum 256 holidays or vacation periods per ٠ device definition of 3 different kinds of holidays/vacations begin / end as from / to date



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