PRODUCT DATA SHEET

sullus security systems

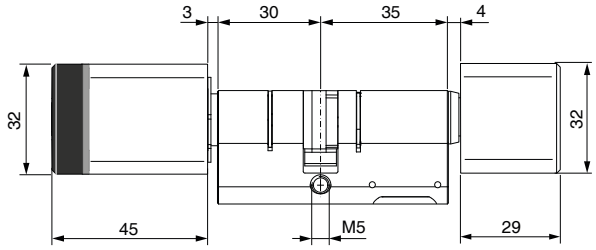
dormakaba **evolo smart digital cylinder anti-panic 1437-K6**

SKU KA.evoloSmart.1437-K6
Producer No. 1437-K6

With the digital cylinder, you control access precisely to the room and time. Access authorisation is indicated visually and acoustically. The security-relevant electronics are installed behind the drilling protection in the rotor. In principle, you may use the digital cylinder for any door indoors or weather-protected outdoor area. The electronics function reliably, even at extreme temperatures.

Measurements

- from 30/35 mm
- measured from the middle of cam
- extension in 5 mm steps per side
- min. total length: 65 mm
- max. total length: 120 mm
- outside knob: Ø 36 x 45 mm, inside knob: Ø 36 x 29 mm



Technical characteristics

- system Level 1
- standard drilling protection (hardened steel disc)
- fire resistance T30 / T80 for 95 min
- outside knob: IP56 (weather-protected outdoor area)
- mechanical internal knob firmly coupled with the cam
- defined rest position of the cam
- with freewheel function for gear locks in escape doors (FZG)
- standalone-operated (doors work unwired via battery)
- RFID media (E300) (digital key with mobile access)
- MRD (Multi RFID Device) Bluetooh (by programming with programming card cylinder receives its identification)
- durability: > 200.000 cycles, EN 15684 class 6, EN 179 / EN 1125 class 7
- corrosion resistance: DIN EN 1670 class 3, DIN EN ISO 6988, degree of severity 3 (SO2 test)
- classification according to DIN 18252/EN 1303 (Euro profile)

Execution

- cylinder body: brass, matt nickel plated
- inside and outside knob surface: stainless steel look
- inside knob: standard execution
- antenna cover: plastic, black antenna cap
- signalling of access authorisation optically and acoustically by multicoloured LED ring (green/red)

Options / Special equipment

- cylinder finish: polished brass, matt chrome plated (corrosion resistant), black (powder coated), bronze (on request) *
- antenna cover: white antenna cap
- inside knob: Ø 30 x 27 mm (small)
- increased drilling protection: PT1, VdS BZ+ (disc made of hard metal)
- connecting bar (from outside) shortened by 8 mm
- e-module: extreme low temperature
  The performance of lithium batteries is reduced at low temperatures. With the EXT version, operation down to -20°C is possible even with a partially discharged battery.

Operational area

- indoor or weather-protected outdoor area
- for access control of individual doors up to larger systems
- production companies, craft enterprises, trading companies
- schools, administration buildings
- clinics, nursing homes
- service companies
- private living spaces

Programmierung

- one programming card is required per system
- authorisation in the component: with the programming card and the smartphone app (evolo smart)
- with the evolo smart app, you can change access rights flexibly and adapt them at any time
- after app programming, you update door components by holding out the smartphone
- with the dormakaba mobile access app, you open the door component with the smartphone and a digital key

Radio interface

- IEEE 802.15.4
- Bluetooth® Low Energy

Power supply

- Battery: 1 x 3 V CR2 lithium (recommendation: Duracell Ultra CR2 or Panasonic CR2 lithium)
- **when battery is changed: relearn time with programming card and app (for time zones)**

Environment / Service life

- temperature: -25 °C to +70 °C
- protection class outside knob: IP56 (weather-protected outdoor area)
- humidity: 0 to 95 %, non-condensing
- climate: not suitable for use in corrosive atmosphere (chlorine, ammonia)
- lifetime: in EXT version up to 40.000 cycles (at -20 °C), up to approx. 50.000 cycles or up to 2 years (at 20 °C)

Scope of delivery

- digital cylinder anti-panic 1437-K6 (Euro profile)
- battery, fixing screw M5 x 75 mm
- quick guide

Note: A programming card (LEGIC Master B) is required for each dormakaba evolo smart system!

Operation / management via smart app

With the dormakaba evolo smart app, you can easily control access to your building Simply tap to define the time profile when selected persons are to be granted restricted access. You can use the app to record and delete access media and update your door components. You can also read out the status information of the door directly on your smartphone. You can program and delete access media for a maximum of 50 users using your smartphone

And best of all: you don‘t need an Internet connection for any of this, evolo smart runs offline.

To register new access media, scan the QR code on the card or key fob. For access via smartphone, you buy a virtual key in the evolo smart app. The user, for example your new employee, downloads the dormakaba mobile access app and receives the virtual key from you electronically.

Smartphone requirements for dormakaba evolo smart app / mobile access app:

- camera
- Bluetooth® und / oder NFC-HCE interface
- Android version 6.0 or higher
- iPhone with iOS 11 or newer

How does mobile access work?

- turns smartphones into access media
- combination of dormakaba online and standalone components possible
- management / transmission of access rights via smart app
- for the activation of the digital key, the persons receive instructions
- optional transmission of door status and access events

Advantages:

- easy to use and implement
- manage like standard access media
- optimize processes - transmit access rights without on-site personnel
- save time and resources
- even remote doors remain secured
- bequemes Löschen verlorener Medien
- simply revoke access rights if the smartphone is lost
- additional security in case of smartphone loss (access only possible with PIN code)

* this selection extends the delivery time

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