

CX8120 · Electronic Knob Module

Clex public System · CX8120



Bluetooth LE



868 MHz Radio

Electronic access module that attaches to the Euro profile cylinder

Clex Knob Module in the Clex public System

The Clex knob module is a battery-operated locking unit with universal application options. It is self-configurable in connection with a profile cylinder (CX6710) or half cylinder (CX6711). The products CX8122, CX8124 and CX8126 can be generated from the CX8120 this way.

Together with the furniture lock adapter CX6719, the CX8120 can also be used as a furniture lock CX8190.

Communication electronics, mechatronics and batteries are integrated together in the knob module. In addition to the proven radio version (868 MHz), the module is also available with Bluetooth® Low Energy (2.4 GHz). It supports the transponder technologies MIFARE® and LEGIC®.

Thanks to the simple assembly by attaching it to the Euro profile cylinder, a quick adaptation to changed requirements on site is possible.

Extended System Features

- Permanent engagement (toggle function) possible
- Batteries can only be exchanged with a suitable authorization to open the battery compartment
- Assembly and disassembly of the knob possible only with a suitable authorization
- Sealed, water-protected knob up to protection rating IP66 (outdoor version)

Fields of Application

Indoor and outdoor use, combinable with other systems (e. g. Clex private). Online integration is possible via the 868 MHz radio version or 2.4 GHz Bluetooth® Low Energy. Supports the OSS Standard Offline.

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Properties

Suitable for installation in cylinder body CX6710 and CX6711

Identification by passive transponder (without power supply)

No wiring required

Allows for independent assembly as a double-knob cylinder with electronic access right on one side or on both sides, as a half cylinder or as a furniture lock

Automatic activation of the knob electronics by simply scanning a key (passive transponder as a card or transponder key fob)

2 batteries CR2 Lithium 3V for the knob module

The number of operations depends on the Clex public partner implementation

External power supply possible if batteries are empty

Replacement of batteries (opening the shell) only possible with battery change authorization

Easy assembly with the knob module locking into place in the cylinder

Disassembly of the knob module only possible with disassembly authorization

Suitable for indoor and outdoor use. Temperature range: +5°C to +55°C (indoor version), -25°C to +65°C (outdoor version)

Knob module according to protection rating IP66 (outdoor version)

Cylinder and knob housing as well as shell made of nickel-plated brass. Hard plastic cover for the antenna area

Permanent engagement without additional power consumption possible

Version 868 MHz radio as well as 2.4 GHz Bluetooth® Low Energy available — each for MIFARE® and LEGIC®

Engagement time programmable from 1 to 15 seconds (plus actuation time)

Can be combined with other systems (e. g. Clex private) · supports OSS Standard Offline

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Technical Data

Product Data

Product Description Clex public electronic knob module

Product Number CX8120

Transponder Versions

- MIFARE® 13.56 MHz (868 MHz): MIFARE® DESFire®
- LEGIC® 13.56 MHz (868 MHz): LEGIC® prime, LEGIC® advant, MIFARE® DESFire®
- MIFARE® / LEGIC® 13.56 MHz (2.4 GHz Bluetooth® Low Energy): analogous

Length of the Knob 42.7 mm · IP66: 44.8 mm

Diameter of the Knob 40.0 mm · IP66: 45.0 mm

Power Supply 2× battery type CR2 Lithium 3V, nominal capacity 750 mAh

Battery Life Cycle Depending on the Clex public partner implementation

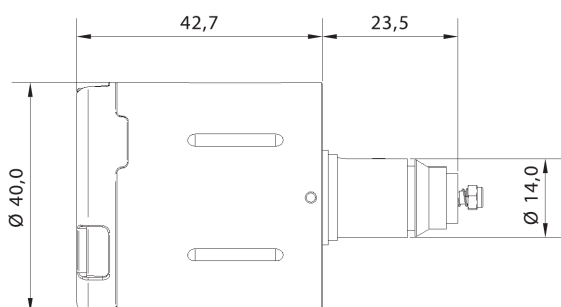
Low-Power Opening Possible at any time with external power supply

Operating Temperature +5°C to +55°C (indoor version) · -25°C to +65°C (outdoor version)

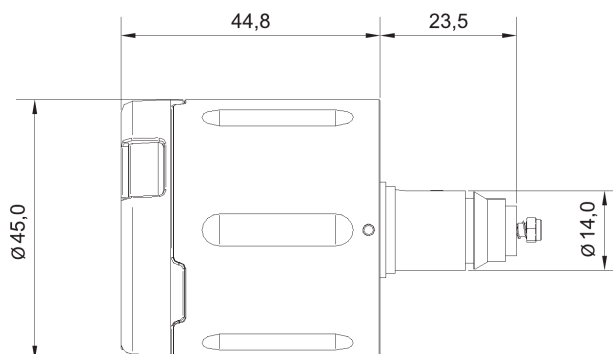
Storage Temperature -40°C to +65°C

Mounting Location Indoor and outdoor application (depending on product version); for outdoor application, the ambient conditions must be verified

Standards DIN EN 60529:2014 · 2014/53/EU



Dimensions in mm · Version for interior doors



Dimensions in mm · Version for exterior doors (IP66)