

CLIQ Connect Key

ASSA ABLOY
Opening Solutions

Intelligent Bluetooth key with ATEX certification



Application

The CLIQ® Connect key makes it possible to update CLIQ® keys anywhere and anytime via an iOS or Android phone. Users can effectively update their access permissions via an app without additional programming device.

It is also possible to activate a PIN code function. When PIN code is active, validations can be made in situations without coverage of the mobile network. It also provides an extra security layer because the key automatically becomes inactive after, for example, 1h (activation time is defined by the administrator). This reduces the risk when a key is lost or stolen because in this case the key will be unusable within an hour.

The key has additionally been classified for use in ATEX environments for companies with these specific requirements.

The key is based on the third generation CLIQ key: G3

Features

- Meets requirements according to: SSF 3522, class 3* and 5**
SS-EN1303 Grade 6/D
EN 15684:2020 - 16B4FF32

- For ABSOLUTE and PATENTED key control
- Dual security, mechanical and electronic MFA
- Access control system features without cables
- Cost-effective solution
- Lost keys are blocked automatically
- Event logs are stored in both keys and cylinders
- Flexible access profiles
- Encapsulated electronics: IP57 rated
- Permissions can be updated remotely
- Replaceable only with Panasonic battery (CR2330)
- Battery life:
 - Depending on frequency of use
 - Example: 1-2 years when activated 10 times a day
- Communication: Sound / Light Signal (LED)
- Encryption: AES128 / 3DES
- FCC, CE, WEEE, UKCA, ATEX, and RoHS approved
- EMC tested according to EN61 000-6-2, 3 (2019/30 / EU)
- RFID tag in the key grip: Space for any 23mm tag, MIFARE DESFire

* All components belonging to the locking unit (such as lock case, strike plate and door reinforcement accessory) must at least meet the set requirements for the locking unit according to SSF 3522.

** SSF 3522 class 5 only applies to round cylinder B59S12.

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Design

- User key Connect: Dark blue
- User key optional color coding:
Yellow, Orange, Brown, White, Green, Blue, Red, Grey



Bluetooth® information

- Frequency range: 2.4GHz-2.4835GHz
- Transmitter power antenna: 2dBm (1.6mW)

Calendar and time functions

- Access for specific days of the week
- Start / stop times can be set
- Time interval for validation function
- PIN-code validation can be activated
- Validity date / time
- Automatic reminder to return keys

Declaration of conformity (ATEX)

- CE 0537
- EU-type Examination Certificate Number:
 - EESF 22 ATEX 025
- Compliance with Essential Health and safety requirements:
 - EN IEC60079-0:2018
 - EN 60079-11:2012
- Ex II 1G Ex ia IIC T4 Ga

WARNING:

- USE ONLY PANASONIC CR2330 BATTERIES
- DO NOT OPEN BATTERY LID WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT
- DO NOT CHANGE BATTERY WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT

Version

- Generation 3: G3 ATEX Ex II

Temperature range

- Operation: - 20 °C to + 40 °C RH 10-90%
- Transport: - 40 °C to + 85 °C RH 10-90%
- Storage: - 40 °C to + 85 °C RH 10-90% (without battery)

The product may not be modified in any way, except in accordance with the changes described in the instructions for use.

For battery replacement, see the instructions given by ASSA ABLOY. Do not subject the key to impact, breakage, mechanical shock, electric shock (ESD) Do not store the key in sub-zero temperatures.

Function

1. The key is inserted into the cylinder.
2. The cylinder is powered up by the battery in the key.
3. Encrypted information is transferred between the key and the cylinder.
4. The key will be granted access if:
 - The key is active & validated at the time and;
 - The time schedule on the key allows the key to access the cylinder at the time and;
 - The cylinder is known by the key and;
 - The key is listed in the cylinder's list of authorised keys and;
 - The mechanical coding allows the key to open the cylinder
5. An audit trail is saved in the key as well as in the cylinder. Time, date, key and cylinder ID and authorization result is stored in the audit trails.

Event logs

- 1000 authorized / unauthorized events
- 100 foreign events (keys from other systems)
- All logs are time stamped
- Roles can be used to manage rights to read logs
- Logs are kept in the key's memory even if the battery is removed

Color-coded LED indicators and sounds:

Green:		Access granted
Red:		Unauthorized
Red-Green-Red:		Authorized but off schedule, or not validated
Blue:		Bluetooth enabled
Blue in cylinder:		Bluetooth enabled, Online-open or validation initiated

Three long greens: Low battery
An audible signal sounds for each indication.

Energy supply

The battery status can be monitored in the App.

- Battery life is 2 years * during normal use 10 times / day and 1 year * with frequent use 20 times / day.
- If the battery change takes more than 30 seconds, the key must be validated or programmed to maintain its authorization.
- Panasonic lithium battery CR2330 rated + 3.0V
Optional batteries: none
- At + 2.8V the key indicates battery replacement
At + 2.7V the authorization is lost
*For guaranteed battery life and security of use only Panasonic designated batteries are to be used.

Name	Masterkey
Marking	A-1-5
Battery status	



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