

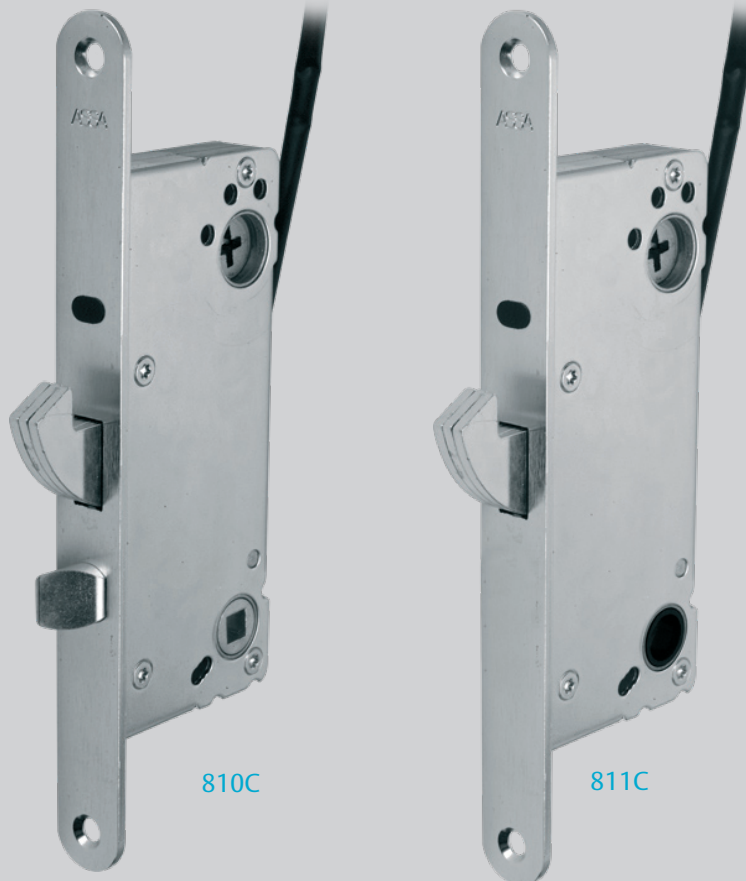
ASSA Motor Lock

810C-50, 810C-70, 811C-50, 811C-70

Electro Mechanical Locks



HI-O TECHNOLOGY™



810C

811C



Hook bolt adds security significantly as door and frame interconnects. The most significant advantage with a hook bolt is that door and frame are interconnected.



evolution® by Assa

Application

ASSA Evolution 810C/811C-50(70) is motorized hook bolt locks. Motor locks are suitable in high security applications within industry, office and trading premises.

A hook bolt lock is well suited in all types of doors including double- and sliding doors.

Within high traffic applications a complementary daytime lock, e.g. solenoid handle lock ASSA Evolution 884C-50, is recommended.

Function

The built-in motor operates the hookbolt.

ASSA Evolution motor locks are supplied in two versions:

- 810C, with handle latch is rated E/EI60 for approved installation in fire protective doors (Approval TG0456/01).
- 811C, without handle latch suits applications in sliding doors or where automatic door opener is present.

ASSA Evolution 810C/811C-50(70) is Hi-O-units.

Hi-O means that the units have a built-in processor and communicates with each other for plug-and-play installation, synchronisation of door operation, supervision of behaviour and to send diagnostic information.

When using a ASSA Evolution 81xC in a non-Hi-O environment, each ASSA motor lock requires its own control unit (DAC500R64) as interface to superior systems.

Features

- Superior speed brings minimum operating time, less than 1/3 sec
- Cylinder or thumb turn provides mechanical override in case of power loss or other malfunction
- 50 or 70 mm (81xC-50 resp. 81xC-70) backset option
- Built-in DMS (door monitoring switch)
- Provides control unit free communication with other Hi-O-units

The control unit DAC500R64:

- Interface towards non-Hi-O systems, e.g. access control- or burglary alarm systems
- Provide Hi-O communication to the motor lock
- Require control signals from superior system to operate the motor lock
- Supply superior system with information about lock and door status
- Provides external DMS input; to replace or complement the internal DMS
- Operates a non-Hi-O daytime lock; to create a high security and high traffic day/night combination
- Buzzer output, activated when faults occur.
- Connected to power supply
- Installed on secure side, within 10 m from the motor lock
- Connected to ARX access control system, a totally integrated and highly flexible system is provided

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ASSA ABLOY, the global leader in door opening solutions.

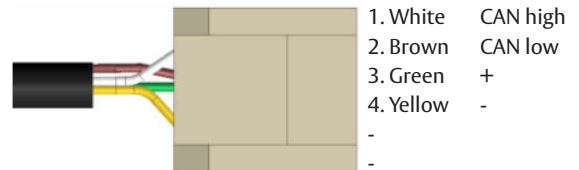
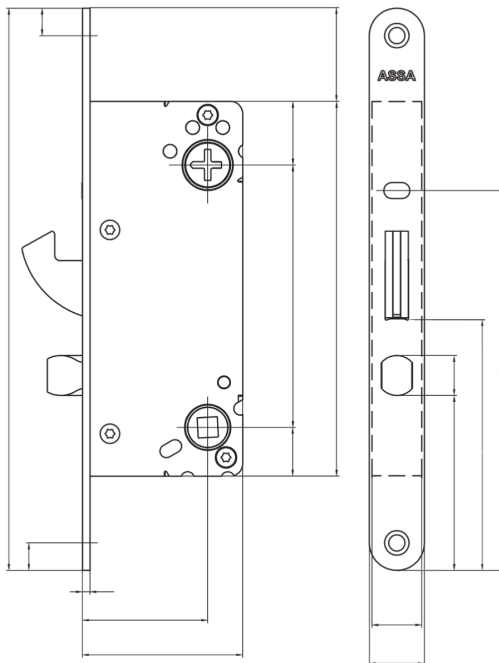
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Technical specifications ASSA 810C/811C

- Voltage 12-24 VDC stabilised $\pm 15\%$
- Current Idle < 65 mA
Max 200 mA @ 24 VDC

Technical specifications ASSA 810C/811C + DAC500R64

- Voltage 24 VAC/VAC $\pm 15\%$
- Current Idle 90 mA
Max 250 mA
- Relays in DAC500R64 Changeover NO/NC
Max 50 VDC @ 1 A
- Connecting cable EA226 10 m, distance
between Hi-O units
max 10 m
- Door gap Between lock and strike
6 mm

Environment

- Motor lock Temp - 40 °C – + 70 °C
- Control unit Temp + 5 °C – + 40 °C,
20 – 90 % relative humidity,
non-condensating

Accessories

- ASSA Scandinavian cylinders, oval or round type
- ASSA self centering thumb turn cylinder, oval or round
- ASSA bolt through lever handles, self-sprung type
- ASSA Evolution security strike plate with built-in magnet
e.g. 1487-2*
- Connecting cable: EA226, 10 m*
- Door loop: EA280/EA281
- Control unit: DAC500R64**

* supplied in set- and semi set packages

** supplied in set packages only

ASSA ABLOY

ASSA ABLOY, the global leader
in door opening solutions,
dedicated to satisfying end-user
needs for security, safety and
convenience.

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