ASSA ABLOY motor lock 840C-50, 841C-50

ASSA ABLOY
Opening Solutions

Electromechanical locking

HI-O TECHNOLOGY™

840C-50

841C-50

Application
ASSA ABLOY Motor Locks 840C/841C-50 are motorized hook bolt locks. They are suitable to be used as a night and safety-lock or as a Daytime lock in doors with high security commercial, offices and industrial premises.

When used as night and safety-lock doors should be supplemented with a daytime lock for example Solenoid Lock ASSA ABLOY 884-50 or electric strike ASSA ABLOY 585.

Function
The hook bolt is operated by the built-in motor.
ASSA ABLOY's motor lock is available in two versions:

- 840C-50 with lever latch is approved for installation in firedoors
- 841C-50 without lever latch can be used in doors with door automatics

ASSA ABLOY 840C / 841C-50 are Hi-O™ devices that connect to a DAC564 alternatively DAC530
Hi-O means that the units have a built-in microcomputer and are communicating with each other for plug-and-play installation, synchronization of door operation, monitoring of behavior and for sending diagnostic information.

Features

- Opening speed approximately 0.2 seconds
- New hook bolt and lever latch for increased strength and side pressure
- LEDs and switches for initiation / status of the DAC
- The lock can be opened with a key / thumb turn
- Backset 50 mm
- Built-in hidden door position sensor (magnet in the strike plate)
- Can be combined with other Hi-O devices without control, for example daytime lock, automatic doors and card readers.

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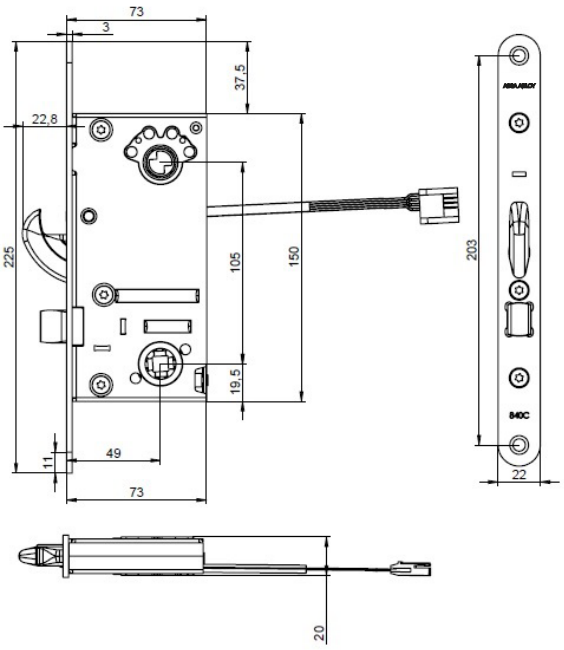

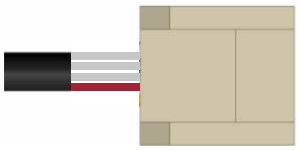

1. Grey	CAN high
2. Grey	CAN low
3. Grey	+
4. Red	–

The control unit DAC564:

- Acts as an interface towards the outside world, towards systems without Hi-O bus, for example, access control or alarm system.
- Communicates with the motor lock via the Hi-O bus.
- Require control signals from superior system to operate the motor lock.
- Provides indications to the monitoring system that tells lock and door status.
- Allows completion with external door position sensor (magnetic contact).
- Also controls additional (non Hi-O) daytime lock so that a complete day/night combination is formed.
- Activates alarm when faults occur.
- Connected to power supply.
- Shall be installed on secure side of the door within 10 m from the motor lock.
- If DAC564 / DAC530 are integrated with ARX access control system, a total integrated solution with great flexibility is created.

Technical specifications ASSA ABLOY 840C/841C-50

- Voltage 12–24 VDC established -5%+15%
- Power consumption Idle 50 mA Max 600 mA at 12 VDC
- For symmetrical locking recess
- Fits strike plate 1487-x
- Certified according to EN14846
- Lock case 840C-50 and lock case 841C-50 meet the requirements according to SSF3522, publish 5 / SS3071, class 4
- Complies with the EMC directive

Technical specifications ASSA ABLOY 840C/841C-50 + DAC564

• Voltage	24 VAC / VDC ± 15%
• Power consumption	Idle 90 mA Max 510 mA
• Relays in DAC564	Single-pole switching Max 50 VDC at 1 A
• Connecting cable	EA226 10 m, Max distance between Hi-O units = 10 m
• Door gap	Max 6 mm

Environment

• Motor lock	Temp - 20 ° C - + 70 ° C
• Control Unit	Temp + 5 ° C - + 40 ° C, 20 – 90 % relative humidity, non-condensation

Accessories

- ASSA ABLOY round cylinders and cylinder accessories
- ASSA ABLOY self-centering round thumb turn cylinder
- ASSA ABLOY lever handle with return spring
- ASSA ABLOY security strike plate with integrated magnet*
- Connecting cable EA226, 10 m*
- Cable loop EA280 / EA281*
- Control unit DAC564* / DAC530
- Central LCU9101

* Included in the kit package

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