

ASSA ABLOY motor lock 835C-50

ASSA ABLOY
Opening Solutions

Electromechanical lock case with deadlatch and hook bolt



The ASSA ABLOY handle controlled motor locks are part of a family of multi-functional motor locks with two main types and five variants: **The 835C-50 features an electronically controlled deadlatch (adjustable split spindle) a mechanical hook bolt that provides increased holding force with an auto hook and auto retract function, it is certified according to EN179 which allows installation in escape routes.**

Applications

ASSA ABLOY motor locks are designed for use on doors in high traffic areas and are compatible with ASSA Modular or Connect mortises. Suitable for perimeter security as well as an internal lock for retail, office and industrial premises, or entrances and common areas in apartment buildings. ASSA ABLOY motor locks are approved for installation in E/EI 120 fire doors.

Operation

The handle can be electronically activated from the outside, and is mechanically controlled from the inside; alternatively the handle can be activated electronically from both the inside and outside to open the door.

- The handle is activated electronically inside/outside alternatively electronically controlled on the outside and mechanically connected on the inside, adjustable.

- Electronically controlled outside, mechanically connected inside (split spindle)
- Electronically controlled outside and inside (fixed spindle)

Hook bolt

- Auto hook, the hook bolt is thrown automatically when the door is closed.
- Auto retract, the hook bolt is retracted when the handle is activated
- Auto hook can be disengaged and operated mechanically
- The advantage of the hook bolt is that it connects the door and frame, providing extra strong burglar resistance

The ASSA ABLOY motor locks are digital locks based on our Hi-O CAN bus technology. Hi-O means that the units have a built-in microcomputer and communicate with each other for plug-and-play installation, synchronization of door operation, monitoring of behaviour and for sending diagnostic information.

A Hi-O unit can be connected to a Hi-O bus via the DAC 530/564, or to an analogue system via the I/O BOX 350. The I/O BOX 350 allows the installation of a digital Hi-O lock in an analogue relay controlled system.

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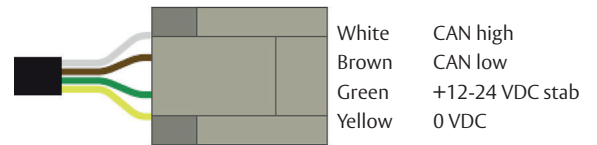
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Features

- Dead latched handle
- The lock can always be opened with a key/thumb turn
- Certified according to EN 14846:2008 - 3X8F0L513
- Fire safe E/EI 120
- Certified according to SSF 3522-1093, class 3 and EN179, combined with ASSA ABLOY emergency exit hardware 179J.
- Multifunctional
 - Simple to reverse fail locked/fail unlocked operation
 - Simple to reverse the electronically/mechanically operated side
 - Auto hook off/on
- The re-entry function can be activated via I/O BOX 350 with a signal from an evacuation/fire alarm
- Status indication on the Hi-O bus and via relay on I/O BOX 350
 - Dead latching
 - Latch out
 - Latch in
 - Door forced
 - Inside handle
 - Error
 - Door status indication

Connection

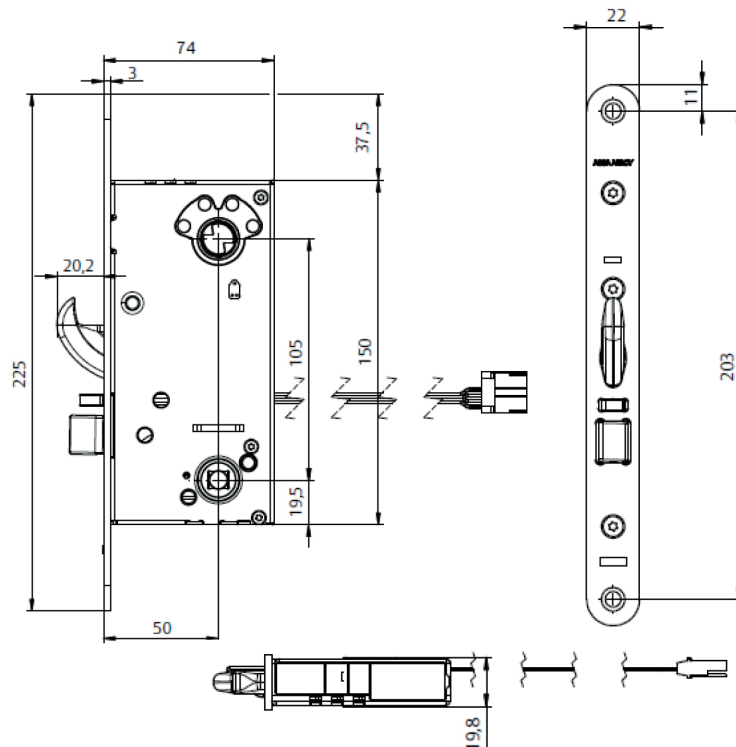
Connection to the Hi-O bus is carried out using four cables, two for power, two for communication. For installation use EA226 (10 m) cable with ready-mounted connectors. The cable can be connected to any location on the Hi-O bus.



Power consumption

Standby: 1 W
 Handle engagement: 2.64 W under one cycle of 0.08 second
 Auto hook: 5.04 W under one cycle of 0.25 second

Watt / Voltage = Current
 $I = P / U$ Current = Wattage / Voltage



Lock	Dead latching	Hook bolt	Split spindle	Fixed spindle	Auto hook
835C-50	Yes	Yes	Yes - adjustable	Yes - adjustable	Yes - adjustable