

ASSA ABLOY motor lock 820C-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 820C-50 features an electronically controlled deadlatch (adjustable split spindle) and a mechanical hook bolt that provides increased holding force and a privacy function.**

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 mechanically controlled from the inside; alternatively the handle can be activated electronically from both the inside and outside to open the door. The hook bolt is withdrawn mechanically by the cylinder or thumb turn (privacy function).

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

- The hook bolt is thrown and withdrawn manually by the cylinder or thumb turn.
- Privacy function
- 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.

ASSA ABLOY motor lock 820C-50

Electromechanical lock case with deadlatch and hook bolt

Features

- Dead latched handle
- The lock can always be opened with a key/thumb turn
- Certified according to EN 14846:2008 - 3X8FOL313
- Fire safe E/EI 120
- Certified according to SSF 3522-1093, class 2
- Multifunctional
 - Simple to reverse fail locked/fail unlocked operation
 - Simple to reverse the electronically/mechanically operated side
 - Reversible latches
 - Hook bolt – manually thrown and withdrawn
- Status indication on the Hi-O bus and via relay on I/O BOX 350
 - Dead latching
 - Latch in
 - Latch out
 - Door status indication
 - Inside handle
 - Error
 - Door forced

Connection

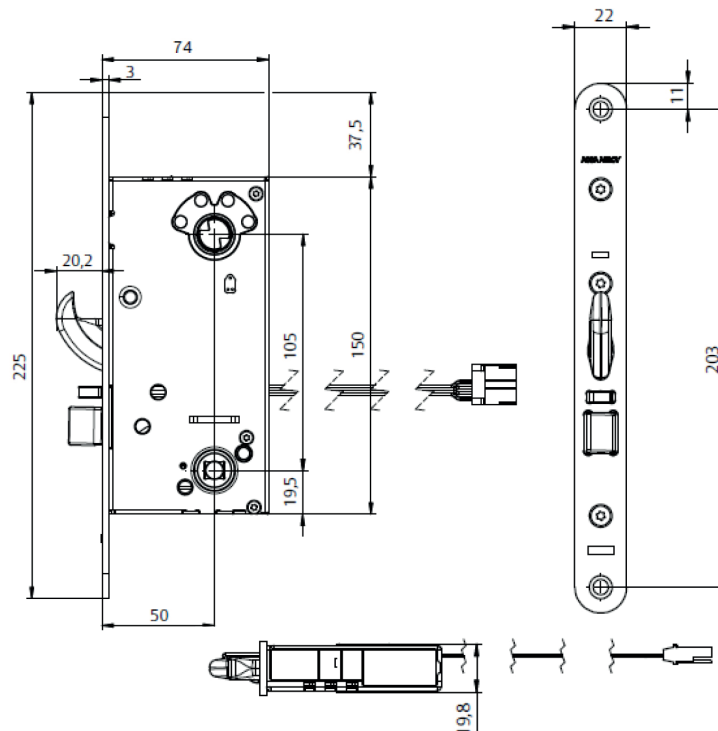
Connection to the Hi-O bus is carried out using four cables, two for power, two for communication. For installation use EA226 (10 m) cable with ready-mounted connectors. The cable can be connected to any location on the Hi-O bus.



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
820C-50	Yes	Yes - privacy function	Yes - adjustable	Yes - adjustable	No