

HSL double bit motorised latch lock with integrated switch lock

Article No.: HSL 104 RT

The HSL 104.RT motorised lock is available with a key guide on one or both sides and is equipped with two mechanical HSL locking mechanisms. The latchbolt offers a turn of 20 mm. In the standard version, the lock has conventional I/O contacts for control and evaluation; alternatively, it can be controlled via a BUS interface.



Properties

- Designed for detention room and access doors, interlock doors
- Can be integrated into PLC systems
- Motorised latch bolt operation
- Operation via HSL key using integrated key switch
- Manual emergency locking with HSL double bit key (single-tour)
- Keyed to different locks without a conversion key

Functional description

The HSL 104.RT motorised lock is opened electrically via the upper HSL locking mechanism. The latchbolt is retracted by the motor. In addition, the lock can be opened manually via the lower HSL locking mechanism of the latch bolt. The door can be opened manually or by an on-site door drive. Optionally, the opening process can be carried out via a PLC control unit supplied by the customer or by STUV. As soon as the door swings out of the frame, the latchbolt moves into the latch position by motor (depending on the version of the control unit supplied by the customer). The door can be closed. As soon as the door is in the frame due to the latch function, the latch bolt is locked by motor. The door is completely locked. Mechanical emergency release is achieved by turning the HSL key through 180°, which disengages the motor, unlocks the integrated locking mechanism and retracts the latchbolt. The key can be removed in the open state when the latchbolt is fully retracted. Changing the locking mechanism: The upper and lower main locking mechanism can be changed to a different locking mechanism in the unlocked state (latchbolt retracted). This requires a key for the current locking mechanism and a key for the future locking mechanism. Type HSL 104.RT is designed for detention room and passage doors. Lock functions can be easily set up by configuring the control unit.

Locations

- Passage door
- Detention room door
- Outer gate
- Portal door
- Smoke protection door

Technical data

Material	Stainless steel
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Technical data

Surface	Matt
Faceplate dimension [mm]	458 x 30 x 4
Forend material	Stainless steel
Material deadbolt	Stainless steel
Lock housing material	Stainless steel
Locking mechanism	HSL double bit
Levers	7
Recodability	yes
Weight [kg]	6,1
Lock dimensions [mm]	210 x 32 x 397 incl. lock box
latch bolt exclusion mm	20
external visual indicator	electronic
Closing processes	1.500.000
Max. lateral transom load capacity [kN]	50
Relative humidity	95% non-condensing
Relative humidity [%]	95% non-condensing