Data sheet

SECURITY
MADE IN GERMANY
SINCE 1883

HSL double bit motor strike lock with integrated switch lock

Article No.: HSL 104 RT

The HSL 104.RT motor lock is available with key guides on one or both sides and is equipped with two mechanical HSL locking mechanisms. The latch bolt has a turn of 20 mm. In the standard version, the lock has conventional I/O contacts for control and evaluation, but can also be controlled via a BUS interface.

Properties

- Designed for detention room and passage doors, airlock doors
- Integration into PLC systems
- Latch bolt operation via motor
- Operation via HSL key via integrated key switch
- Manual emergency locking with HSL double bit key (1-turn)
- Locking can be changed without a changeover key

Functional description

The HSL 104.RT motor lock is opened electrically via the upper HSL locking mechanism. The latch bolt 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 a door drive provided by the customer. Optionally, the opening process can be controlled by a PLC control supplied by the customer or by STUV.
As soon as the door swings out of the frame, the latch bolt is moved into the latch position by a motor (depending on the version of the control provided 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 a motor. The door is completely locked.
The mechanical emergency release is activated by turning the HSL key 180°, which disconnects the motor, unlocks the integrated locking mechanism and retracts the latch bolt. The key can be removed when open if the latch bolt is fully retracted.
Changing the keyed locking mechanism:
The upper and lower main locking mechanisms can be switched to a different keyed lock when unlocked (latch bolt closed).
This requires a key for the current lock and a key for the future lock.
The HSL 104.RT is designed for detention room and passage doors. Interlock functions can be easily set up by configuring the control.

Places of use

- Passage door
- Holding room door
- Outfield goal

- Gate door
- Smoke protection door

Technical specifications

Material	Stainless steel
Surface	Matt
Face plate dimension [mm]	458 x 30 x 4
Material forend	Stainless steel
Material deadbolt	Stainless steel
Material lock housing	Stainless steel
Lock mechanism	HSL double bit
Levers	7
Recodability	yes
Lock dimensions [mm]	210 x 32 x 397 incl. lock box
Closing operations	1,500,000
Max. lateral bolt load capacity [kN]	50
Relative humidity [%]	95% non-condensing
external visual indicator	electronically
Latch clearance [mm]	20

Weight [kg]	6.1