

## ELECTROMECHANICAL LOCKING DEVICE

# hdLOCK CAN-BUS/MODBUS

Art. No. 102000.2



Industrial applications with high requirements as well as applications in the maritime area can be covered with this product.

- » CAN-bus and Modbus compatibility
- » Balancing of changes in power supply
- » Intelligent electrical control integrated
- » Feedback of bolt position and door status (double checked)
- » High protection class and seawater resistant
- » Bolt retraction in case of voltage breakdown
- » Adjustable bolt receiving plate

HD-Lock has been designed for use in exterior doors and hatches. High quality, high lifetime and outstanding robustness is achieved by using robust V4A stainless steel housing in relation with a high quality brushless motor.

The product can be controlled via static signals or serially by CAN-bus or Modbus protocol with application of device addresses. The functionality of the static signals is parameterisable via bus protocol.

HD-Lock only performs its locking procedure when the door is positioned correctly in the frame. Position detection can be parameterised as well and it can be defined by the administrator at what time the locking procedure is allowed to start.

Within complex systems there are voltage fluctuations on a regular basis. Our product continuously checks motor voltage and balances fluctuations if required. Hence, breakdowns as a result of unexpected fluctuations are avoided.

An adjustable striking plate is available for practical, simple and quick installation without the need of rework. The position of the bolt receiving plate can be adjusted, which provides added value during and after installation.

Technical modifications and errors excepted.

**bss**  
Security  
through Innovation



PROPERTIES



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### Product details:

- » Operation Voltage Range: 10 bis 30 V DC
- » Standby power (input is not active): approx. 22 mA
- » Holding current supply at extended bolt: 55 mA / 24 V
- » Input current supply to activate the input: 0.2 mA
- » Minimum pulse length for the inputs: 20 msec
- » Output-current: 25 mA
- » Bolt dimensions: ca.  $\varnothing 12 \times 21$  mm
- » Closing / opening time without load: < 0.5 sec
- » Closing force: 2 N
- » Retract. force without power supply: 1.2 N
- » Operating temperature: -15°C to +60° C
- » Protection Class: IP 65
- » Shear strength of the bolt: 15 KN
- » Cable length: 0.15 m
- » Material of housing: 1.4404 (316L)
- » Material of bolt: 1.4404 (316L)

### Accessories:

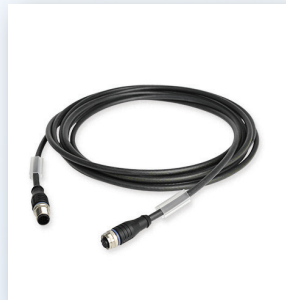
- » 102900.2 - Programming-Box HD-FlexBrake / HD-Lock
- » 102910.0 - Connecting Cable, 12-pole, M12 socket
- » 102910.1 - Connecting Cable, 12-pole, M12 socket and M12 plug



102900.3



102910.0



102910.1

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