

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 striking 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. Conceivable would be that the system administrator is notified by the system if voltage exceeds defined values.

An adjustable striking plate is available for practical, simple and quick assembly without the need of rework. The position of the bolt receiver can be adjusted using the adjustable striking plate.

Technical modifications and errors excepted.

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PROPERTIES



SUPERYACHTS



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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

PROPERTIES - SUPER YACHTS -
MACHINERY & PLANTS - TRANSPORT & SECURE STORAGE

BSS Baumann
Sicherheitssysteme GmbH
Robert-Bosch-Straße 1A
78234 Engen, Germany

P: +49 (0) 7733 99494-20
F: +49 (0) 7733 99494-21
www.bss-sdi.com
info@bss-sdi.com



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PARTNERING WITH:

