

ELECTROMECHANICAL LOCKING DEVICE

hdLOCK-EX^{CAN-BUS/ODBUS}

Art. No. 102100.1



HD-Lock Ex-Proof covers high regulatory requirements in explosion endangered areas. The device offers bus capability and intelligent electrical control.

- » Ex II 2G Ex db IIB T4 Gb
- » Small dimensions
- » CAN-bus and Modbus compatibility
- » Balancing of changes in power supply
- » 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 Ex-Proof is designed under consideration of „pressurized encapsulation“ and application of norms EN 60079-0:2012+A11:2013 and EN 60079-1:2014 together with directive 2014/34/EU.

High quality, high lifetime and outstanding robustness is achieved by using a 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 Modbus protocol.

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.

Technical modifications and errors excepted.

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through Innovation



PROPERTIES



SUPERYACHTS



MACHINERY & PLANTS



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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: approx. $\varnothing 12 \times 21$ 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
- » Weight: approx. 1 kg
- » Cable length: 3 m
- » Material of housing: 1.4404 (316L)
- » Material of bolt: 1.4404 (316L)

Accessories:

- » 102900.2 - Programming Unit HD-FlexBrake / HD-Lock



102900.2

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