

# Electrohydraulic valve actuator

*reliable performance - simplify your actuator*

  
**HOERBIGER**  
*because performance counts*



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HOERBIGER electrohydraulic valve actuator

Industrial Automation brings about Efficiency.

The new electrohydraulic valve actuator developed by HOERBIGER satisfies the high requirements that are expected from a flexible, automated industrial valve. The robust, compact, and modular design offers optimal solution options for specific requirements in industrial applications:

- Oil and gas
- Chemistry and petrochemistry
- Energy and water management

## The customer benefit:

- **Compact design**
- **Integrated safety functions**
- **Low installation and maintenance costs**

A piping-free design, the use of premium components, and 100% functional testing are emblematic of the operational safety and reliability of this system.

The explosion proof encapsulation of all electrical components in one housing also enables the use in areas that are prone to explosions (ATEX) and assures a high protection class under extreme usage conditions.

- **Explosion protection**
- **High reliability**



# ... for wide industrial applications

## ■ Technical data:

Approval:	ATEX - Ex II2G EEx d IIB T4
Protection class:	IP65
Ambient temperature:	-20 to +55°C
Positioning accuracy:	< 2% of full scale
Duty cycle:	≤ S3-10%

## ■ Actuator:

### Quarter-turn actuator:

- Double-acting actuator Torque M <sub>d</sub> [kNm]:	1,0 - 8,0
- Single-acting actuator Torque M <sub>d</sub> [kNm]:	1,0 - 4,0
- Part-turn angle:	90°

### Linear actuator

- Pressure thrust [kN]:	6,5 - 70
- Stroke [mm]:	14 - 200

## ■ Option emergency manual override:

(hand pump)	4 ccm/stroke
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## ■ Functions:

- ON/OFF
- Positioning
- Fail Safe, hydraulic (accumulator)
- Fail Safe, mechanical (spring)

## ■ Control system:

The electrical control system is available in the ATEX version and IP65 standard. The control panel contains a selector switch for the local control and remote control (local and remote).

## ■ Control signals:

The functions are controlled by way of a standard electrical signal:

- in use ON/OFF: 0/24V (ON/OFF)
- in use positioning: 4-20mA (0-100%)

## ■ Output signals:

- Position feedback: continuous 4-20mA (0-100%)
  - End position ON/OFF:
  - Operation signal remote/local:
  - Warning signal outside specification:
  - General fault signal (Monitor Relais):
- } potential-free normally closed

## ■ Control panel:

- Key-operated switch for selecting between remote and local
  - Control keys: open, close, fault reset and calibration
  - Signal lamps
- |               |              |
|---------------|--------------|
| Remote/local: | Local: GREEN |
| Fault:        | RED          |



HOERBIGER elektrohydraulic system

**Compact - Powerfull - Reliable!**



# HOERBIGER - We set standards

**Wherever we operate, we set standards with performance-defining components, system solutions, and services - and thereby increase the efficiency of the capital investment in premium capital goods.**

HOERBIGER Automation Technology is a business unit of HOERBIGER Holding AG, Zug / Switzerland. HOERBIGER is active throughout the world as a leading player in the fields of compression technology, automation technology and drive technology. In 2011, its 6,826 employees achieved sales of 1.048 billion Euro. The focal points of its business activities include key components and services for compressors, gas engines

and turbomachines, hydraulic systems and piezo technology for vehicles and machine tools, as well as components and systems for shift and clutch operations in vehicle drive trains of all kinds. Through innovations in attractive technological niche markets, the HOERBIGER Group sets standards and delivers cutting-edge solutions for the benefit of its customers.



  
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