

# High actuating force, at 6.5 mm stroke.

More stroke and more actuating force.

For special valve requirements of building management systems.



## **OEM ACTUATOR 5**

OEM Actuator 5: 6.5 mm

# The OEM Actuator 5: 6.5 mm

## High actuating force, maximum stroke.

The world market leader's OEM Actuator 5: 6.5 mm is a thermal actuator for applications with small valves. It's ideal where a high level of actuating force, maximum stroke and precise control are required. This new product includes many of the OEM Actuator 5 highlights, such as the valve adaptor system, the plug-in lead, as well as IP54 for 360° installation angles.

### German-made precision

The high-end product with its customary high-quality expanding elements ensures long and noiseless operation over the entire service life. Due to its compact design, the various designs of the OEM Actuator 5: 6.5 mm are an excep-

tionally good choice for balanced valves, circuit control valves or fan coils.

### A variety of types

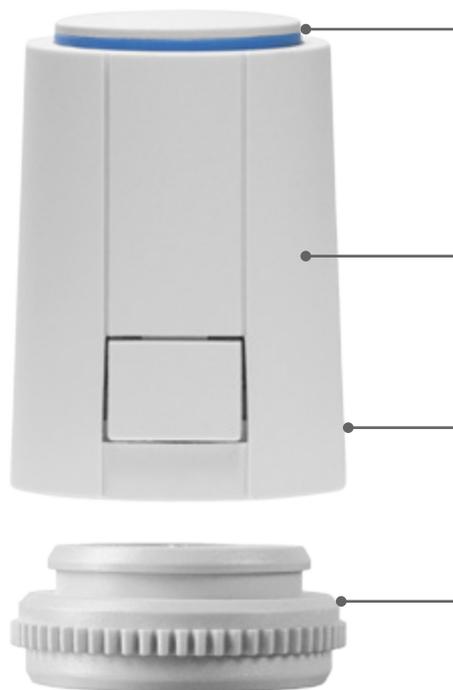
As a standard on/off valve actuator, or in a continuous version with 0–10 V control voltage, the new product series offers the right type for any application. For the first time, designs with valve path recognition for AC/DC operation and with a 0–10 V feedback channel for determining the position of the valve offer thermal features that were only previously available in motoric valve actuators.

The actuating position is measured contactlessly without any moving parts and displayed via

a digital-to-analogue converter. The result is reliable and constant operation because no other mechanical parts are involved.

### A range of imaginative options

Depending on the type of OEM Actuator 5: 6.5 mm, a number of different modifications to suit customer applications is available. Parameters configurable in the factory for the continuous versions, such as stroke, control direction and even valve curves, allow a wide range of different options. This enables an even more precise match to the valve type concerned. Draw on our experience. Tell us what your requirements are and we'll show you what's possible.



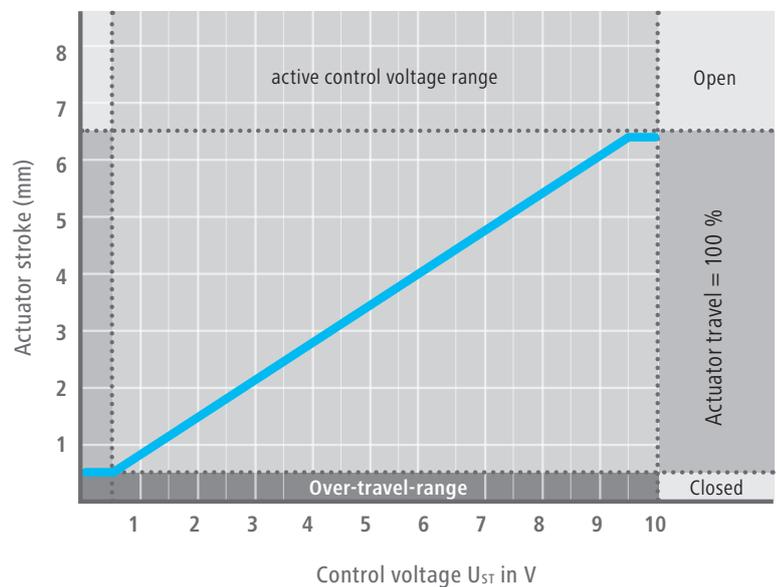
A display all the way round indicates correct adjustment

Low power consumption

IP54 at 360° installation angle

Tried-and-tested valve adaptor system

Diagram of how an APV 40625-00 works



Designs	230 V NC	230 V NO	24 V NC	24 V NO	Control voltage 0–10 V	dyn. closing point verification	Valve travel recognition	Feedback	DC type	AC/DC type
on/off	A 20625	A21625	A 40625	A41625	–	–	–	–	–	✓
on/off plug-socket	AST 20625	AST 21625	AST 40625	AST 41625	–	–	–	–	–	✓
Continuous/proportional	–	–	APR 40625	–	✓	✓	–	–	✓	–
Continuous proportional with valve path recognition	–	–	APV 40625	APV 41625	✓	✓	✓	–	✓	–
Continuous/proportional with feedback channel	–	–	APO 44625	APO 45625	✓	✓	✓	✓	–	✓*

\* integrated universal power supply

# Features

## General

- A modern and compact OEM design
- 6.5 mm stroke und 125 N actuating force
- Normally closed (NC) and normally open (NO) designs
- 1.2 W power consumption
- Full compatibility with the valve adaptor system
- Easy slot assembly
- First-Open function (only NC)
- Adjustment control on the valve (only NC)
- Alignment control on the valve
- All-round display showing functions
- Odourless and maintenance free
- Very reliable and durable
- Certified by TÜV-Süd

## More highlights offered by the continuous types

- Can be activated by a 0–10 V signal
- Optional adjustment to a valve curve is possible
- Optional: NC with valve path recognition
- NO always with valve path recognition
- Short response times and therefore better control
- Closing point and valve travel control during operation – no cyclical adaption runs
- DC types
- Feedback channel for AC/DC operation
- Optional 0–10 V feedback channel for analysing valve position and status
- Variant NO: opens the standard valve without power-supply



### IP 54 – waterproof

IP 54 for 360° installation angles provides 100% protection regarding leaking valves.



### A world-leading range of different products

Due to the variety of types available, Möhlenhoff offers a unique product portfolio.



### Full compatibility – valve adaptor, connecting lead

A plug-in lead and tried-and-tested valve adaptor system from the Möhlenhoff actuator family, adaptable for 99 per cent of all valves on the market. It can therefore be easily integrated into existing systems.



### Removal safeguard

The type with a plug-in lead also has a detachable unlocking switch on the radiator to prevent removal.

# In-depth product support.



## Range of services

Providing application-driven advice and technical support for our products and systems are part of the services we deliver to our OEM customers. We also offer in-depth product information to assist in providing customised technical literature and advertising materials.



## Quality guarantee

Möhlenhoff has recognised testing, inspection and simulation devices that make our high level of quality and innovation possible. We underpin this high standard by providing a modern management system. We also ensure our staff are quality-driven and have a strong environmental awareness.



## Guaranteed protection from overvoltage

All Möhlenhoff products are tested and certified by independent institutes. Due to its excellent quality and safety standards, Möhlenhoff guarantees that the OEM actuators are protected from customary surges in the power supply.



Der Garant für Funktionssicherheit, Kompatibilität und Freude am Produkt durch innovative Technologie

*Innovative technology for reliable, compatible and excellent products*

## Your OEM partner

Möhlenhoff GmbH has been an established player on the international market for more than 3 decades. The company is a reliable, expert OEM that excels. These factors, combined with innovative ideas and a spirit of fairness in partnerships, have made it a very successful player worldwide for years. As an OEM, Möhlenhoff GmbH supplies products and complete systems for heating, ventilation and air-conditioning systems. As a specialist in control components and systems, the company offers its expertise to manufacturers worldwide. Möhlenhoff GmbH is a global market leader in thermal valve drives.



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