

Technical data sheet

# 363-024-40-P5 Rotary actuator

Description

Rotary actuator for adjusting dampers in HVAC installations

- Running time 150 s / 90°
- Torque 40 Nm
- Nominal voltage 230 VAC/DC
- Control 2/3 Point
- Feedback potentiometer P5 = 5 kΩ
- Damper size up to approx. 8 m<sup>2</sup> clamp
- Shaft coupling  $\diamond$  9-18 mm /  $\varnothing$  9-26 mm



Technical data

<b>Electrical data</b>	Nominal voltage	24 VAC/DC, 50/60 Hz
	Nominal voltage range	19...29 VAC/DC
	Power consumption motor (motion)	5,5 W
	Power consumption standby (end position)	1,5 W
	Wire sizing	7,0 VA
	Control	2-/3-point
	Feedback signal	-
	Auxiliary switch	-
	Contact load	-
	Switching point	-
	Connection motor	cable 1000 mm, 3 x 0,75 mm <sup>2</sup> (halogen free)
	Connection feedback potentiometer	cable 1000 mm, 3 x 0,75 mm <sup>2</sup> (halogen free)
	Connection auxiliary switch	-
	Connection GUAC	-
<b>Functional data</b>	Torque	40 Nm

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## Technical data

<b>Functional data</b>	Damper size	up to approx. 8 m <sup>2</sup>
	Synchronised speed	±5%
	Direction of rotation	selected by switch
	Manual override	gearing latch disengaged with pushbutton, self-resetting
	Angle of rotation	0°...max. 95° can be limited with adjustable mechanical end stops
	Running time	150 s / 90°
	Sound power level	< 45 dB(A)
	Shaft coupling	clamp $\diamond$ 9-18 mm / $\varnothing$ 9-26 mm
	Position indication	mechanical with pointer
	Service life	> 60'000 cycles (0° - 95° - 0°)
	<b>Safety</b>	Protection class
Degree of protection		IP 54
EMC		CE (2014/30/EU)
LVD		CE (2014/35/EU)
RoHS		CE (2011/65/EU - 2015/863/EU - 2017/2102/EU)
Mode of operation		Typ 1 (EN 60730-1)
Rated impulse voltage		0,8 kV (EN 60730-1)
Control pollution degree		3 (EN 60730-1)
Ambient temperature normal operation		-30°C...+50°C
Storage temperature		-30°C...+80°C
Ambient humidity		5...95% r.H., non condensing (EN 60730-1)
Maintenance	maintenance free	
<b>Dimensions / Weight</b>	Dimensions	193 x 96 x 60 mm
	Weight	1600 g

Functionality / Properties

**Operating mode**

2 point:  
Connect power supply to wire 1+2, actuator drives to position 1. Is also wire 3 connected to the power supply, actuator drives to position 0.

3 point:  
Connect power supply to wire 1+2, actuator drives to position 1. Is wire 1+3 connected to the power supply, actuator drives to position 0.

The actuator is overload-proof, requires no limit switches and automatically stops, when the end stop is reached.

**Direct mounting**

Simple direct mounting on the damper shaft with a clamp, protection against rotating with enclosed anti-rotation lock or rather at intended attachment points.

**Manual override**

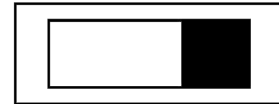
Manual override with self-resetting pushbutton possible (the gear is disengaged as long as the button is pressed).

**Mode switch**

DIP switch under the case cover

R / CW: rotary direction right / clockwise

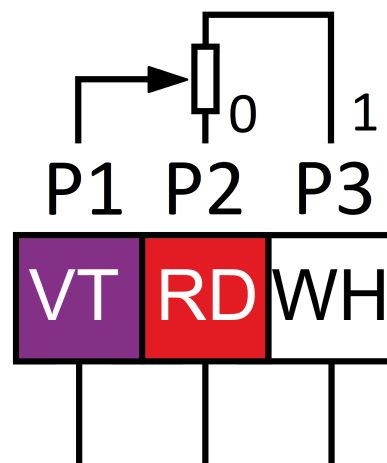
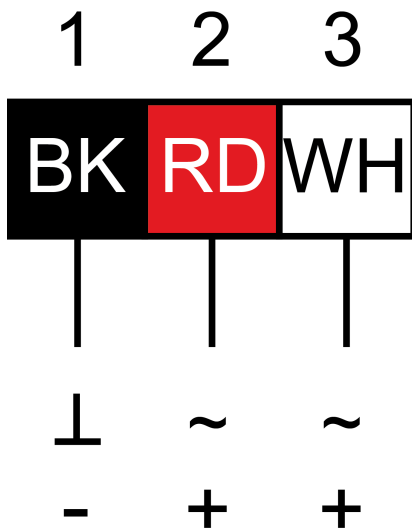
L / CWW: rotary direction left / counter clockwise



L / CCW

R / CW

Connector / Security Note



**Safety remarks**

- Connect via safety isolation transformer!
- The device is not allowed to be used outside the specified field of application, especially in airplanes.
- It may only be installed by suitably trained personnel. Any legal regulations or regulations issued by authorities must be observed during assembly.
- The device may only be opened at the manufacturer's site.
- The device is not allowed to be disposed of as household refuse. All locally valid regulations and requirements must be observed.
- When calculating the required torque, the specifications supplied by the damper manufacturer's (cross-section, design, installation site), and the air flow conditions must be observed.

Technical Drawing

