

Technical data sheet

235-024-10

Rotary servomotor

Description

Rotary servomotor for adjusting dampers in HVAC installations

- Running time 120 s / 90°
- Torque 10 Nm
- Nominal voltage 24 VAC/DC
- Control 2-point
- Damper size up to approx. 1,6 m²
- Shaft coupling Ø 8 mm with locking pin



Technical data

Electrical data	Nominal voltage	24 VAC/DC, 50/60 Hz
	Voltage range	19...29 VAC/DC
	Power consumption motor (motion)	3,5 W
	Power consumption standby (end position)	1,0 W
	Wire sizing	4,0 VA
	Control	2-point
	Feedback signal	-
	Auxiliary switch	-
	Contact load	-
	Switching point	-
	Connection motor	cable 1000 mm, 3 x 0,75 mm ² (halogen free)
	Connection feedback potentiometer	-
	Connection auxiliary switch	-
	Connection GUAC	-
Functional data	Torque	

Technical data

Functional data	Damper size	up to approx. 1,6 m ²
	Synchronized speed	±5%
	Direction of rotation	adjustable
	Manual override	-
	Angle of rotation	0...320°
	Running time	120 s / 90°
	Sound power level	< 35 dB(A)
	Shaft coupling	about Ø 8 mm shaft with locking pin
	Position indication	-
	Service life	> 60 000 cycles (0°...95°...0°)
Safety	Protection class	III (safety extra-low voltage)
	Degree of protection	IP 54 (cable downwards)
	Cable mounting type	
	EMC	-
	LVD	-
	RoHS	-
	Mode of operation	Typ 1 (EN 60730-1)
	Rated impulse voltage supply / control	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	
Dimensions / Weight	Dimensions	110 x 115 x 64 mm
	Weight	550 g

Functionality / Properties

Operating mode

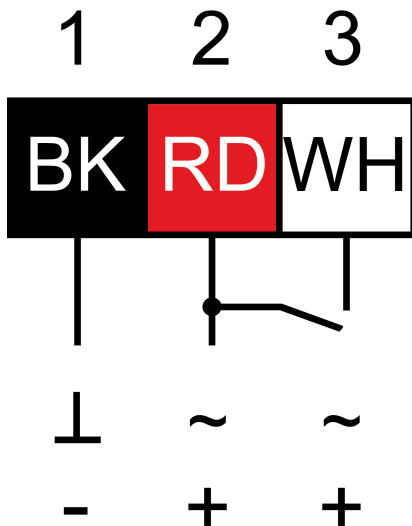
Connect power supply to wire 1+2, servomotor drives to set angle. The angles can be changed by switch cams.

The servomotor 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.

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.
- Cables must not be removed from the device.
- The cable of this servomotor cannot be replaced. If the cable is damaged, the servomotor should be scrapped.
- 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

Z 1:1

