

Технические данные

227C-024-8

Описание

Электропривод для вентиляционных заслонок систем вентиляции

- Running time 150 s / 90°
- Torque 8 Nm
- Nominal voltage 24 VAC/DC
- Control continuous control (0)2...10 VDC
- Damper size up to approx. 2 m²
- Shaft coupling clamp
∅ 8-15 mm / Ø 8-20 mm



Тех.данные

Электрические данные		
Nominal voltage		24 VAC/DC, 50/60 Hz
Voltage range		19...29 VAC/DC
Power consumption motor (motion)		2,0 W
Power consumption standby (end position)		1,0 W
Wire sizing		3,5 VA
Control		continuous control (0)2...10 VDC / Ri > 100 kΩ (0)4...20 mA / Rext. = 500 Ω
Feedback signal		(0)2...10 VDC, max. 5 mA
Auxiliary switch		-
Contact load		-
Switching point		-
Connection motor		cable 1000 mm, 4 x 0,75 mm ² (halogen free)
Connection feedback potentiometer		-
Connection auxiliary switch		-
Connection GUAC		-

Тех. данные

Мех.данные	Torque	8 Nm	
	Damper size	up to approx. 2 m ²	
	Synchronized 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; after changing the angle of rotation, an adaptation drive must be made	
	Running time	150 s / 90°	
	Sound power level	< 35 dB(A)	
	Shaft coupling	clamp ∅ 8-15 mm / ∅ 8-20 mm	
	Position indication	mechanical with pointer	
	Service life	> 100 000 cycles (0°...95°...0°) > 1 500 000 partial cycles (max. ±5°)	
	Безопасность	Protection class	III (safety extra-low voltage)
		Degree of protection	IP 54 (cable downwards)
		Cable mounting type	
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 supply / control		0,8 kV	
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	
Maintenance		maintenance free	
Размеры и вес	Dimensions	117 x 67 x 66 mm	
	Weight	540 g	

Функционал

Operating mode

Connect power supply to wire 1+2 and a reference signal Y to wire 3 in range of (0)2...10 VDC, actuator drives to its specified position. The actual damper position (0...100%) is a feedback signal U on wire 4 for example to share with other actuators. 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

Mode switch with five positions at the housing:

2-10 R: rotary direction right 2-10 VDC
 0-10 R: rotary direction right 0-10 VDC
 Adp: adaption
 0-10 L: rotary direction left 0-10 VDC
 2-10 L: rotary direction left 2-10 VDC

Adaption drive

- Actuator power off
- Setting the mechanical end stops
- Actuator power on
- Adaption enable
- Actuator drive to position 0
- Actuator drive to position 1
- Adaption disable, if desired angular range reached or rather if actuator reached endstop
- "Y" refers to the measured angular range

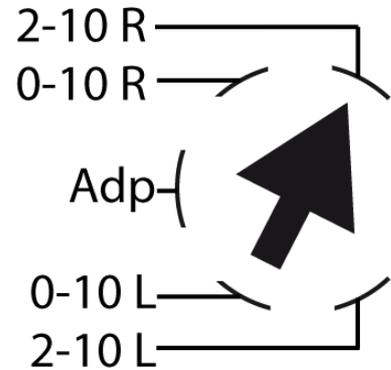
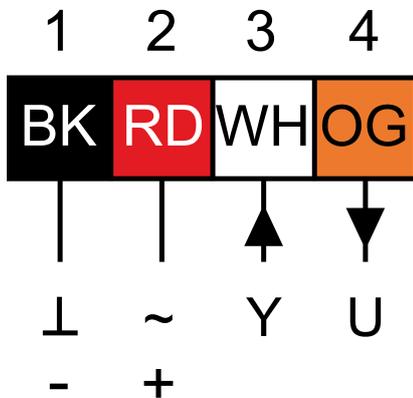


Схема подключения



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 actuator cannot be replaced. If the cable is damaged, the actuator 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

