

On/Off, Electrical fail-safe, 24 V

- Nominal voltage AC/DC 24 V
- Control On/Off
- Auxiliary switch 1x SPST



5-year warranty


Technical data

Electrical data	Nominal voltage	AC/DC 24 V
	Nominal voltage frequency	50/60 Hz
	Nominal voltage range	AC 19.2...28.8 V / DC 21.6...28.8 V
	Power consumption in operation	2.5 W
	Power consumption in rest position	0.5 W
	Transformer sizing	5 VA
	Auxiliary switch	1x SPST, 1 A resistive @ DC 30 V
	Switching capacity auxiliary switch	1 A resistive @ DC 30 V
	Electrical Connection	22 GA plenum cable, 3 ft [1 m], 10 ft [3 m] or 16 ft [5 m], with 1/2" NPT conduit connector
	Overload Protection	electronic throughout 0...90° rotation
Electrical Protection	actuators are double insulated	
Functional data	Bridging time (PF)	2 s
	Pre-charging time	5...20 s
	Angle of rotation	90°
	Angle of rotation note	adjustable with mechanical stop
	Running Time (Motor)	75 s / 90°
	Running time fail-safe	<60 s
	Noise level, motor	35 dB(A)
	Noise level, fail-safe	35 dB(A)
Position indication	pointer	
Safety data	Power source UL	Class 2 Supply
	Degree of protection IEC/EN	IP40
	Degree of protection NEMA/UL	NEMA 2
	Enclosure	UL Enclosure Type 2
	Agency Listing	cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02 CE acc. to 2014/30/EU and 2014/35/EU
	Quality Standard	ISO 9001
	UL 2043 Compliant	Suitable for use in air plenums per Section 300.22(C) of the NEC and Section 602 of the IMC
	Ambient humidity	Max. 95% RH, non-condensing
	Ambient temperature	35...104°F [2...40°C]
	Storage temperature	-40...176°F [-40...80°C]
Servicing	maintenance-free	

Technical data

Weight	Weight	0.44 lb [0.20 kg]
Materials	Housing material	UL94-5VA

Product features

Application Electrical fail-safe On/Off ZoneTight actuator.
 Valve selection should be done in accordance with the flow parameters and system specifications. The actuator is mounted directly to the valve without the need for tools or additional linkage.
 The actuator operates in response to AC/DC 24 V.
 Angle of rotation is adjustable with the integrated mechanical stop.

Electrical installation

✂ INSTALLATION NOTES

- (A)** Actuators with appliance cables are numbered.
- 1** Provide overload protection and disconnect as required.
- 2** Actuators may be connected in parallel. Power consumption and input impedance must be observed.
- 3** Actuators may also be powered by DC 24 V.
- 18** Actuators with plenum cable do not have numbers; use color codes instead.
- 100** One built-in auxiliary switch, 1x SPST 1 A @ DC 30 V (resistive load), for end position indication, interlock control, fan startup, etc.
- 4** Apply only AC line voltage or only UL-Class 2 voltage to the terminals of auxiliary switches. Mixed or combined operation of line voltage/safety extra low voltage is not allowed.
- ◆** Meets cULus requirements without the need of an electrical ground connection.
- ⚠ Warning! Live electrical components!**

During installation, testing, servicing and troubleshooting of this product, it may be necessary to work with live electrical components. Have a qualified licensed electrician or other individual who has been properly trained in handling live electrical components perform these tasks. Failure to follow all electrical safety precautions when exposed to live electrical components could result in death or serious injury.

Wiring diagrams

