



ML7421A1032

Non-spring return direct-coupled Valve Actuator with 405 lbf rated force

Product Info

Overview

The ML6421A,B Non-Spring Return Electric Linear Valve Actuators are suitable for use with low-voltage, single-pole double-throw (spdt), Series 60 two-position and floating controllers. These actuators operate standard Honeywell valves in heating, ventilating, and air conditioning (HVAC) applications. The ML7421A,B Non-Spring Return Electric Linear Valve Actuators are modulating control actuators used with control that provide an analog output of 0 to 10 Vdc or 2 to 10 Vdc. These actuators operate standard Honeywell valves in HVAC applications. An internal selector plug can be used to reverse the direction of action.

Features

- Easy and quick installation on valves with 1 3/8 in. bonnet and 3/4 in. stroke, or with 1 7/8 in. bonnet and 1 1/2 in. stroke
- High force for VGF Pressure-balanced valves
- No separate linkage required
- Conduit connector standard
- No adjustments required on linkage
- Accurate valve positioning
- Low power consumption
- High close-off ratings
- Force limiting end switches
- Manual operator
- Synchronous motor
- Maintenance free

Product Specifications

Application	HVAC
Dimensions (in.)	10 3/8 in. high x 7 in. wide x 7 in. deep
Dimensions (mm)	264 mm high x 178 mm wide x 178 mm deep
Includes	1/2 in. flexible conduit adapter; 1/2 in. conduit hub
Weight (lb)	5.1 lb
Weight (kg)	2.3 kg
Materials	ABS Plastic
Item Type	Product
Mounting	Directly on V5011/V5013 Globe Valves and VGF Flanged Globe Valves
Frequency	50 Hz; 60 Hz
Approvals, Underwriters Laboratories Inc.	Flammability Rating UL94V-5V
Approvals, Canadian Standards Association	Certified
Electrical Connections	Screw terminals
Operating Humidity Range (% RH)	5 to 95% RH
Supply Voltage	24 Vac +10%, -15%
Power Consumption	Driving-- 12 VA
Shipping and Storage Temperature Range (F)	-40 F to +158 F
Shipping and Storage Temperature Range (C)	-40 C to +70 C
Approvals, CE	Recognized
Ambient Temperature Range (F)	14 F to 122 F
Ambient Temperature Range (C)	-10 C to +50 C

Environmental, Electrical or Ingress Protection Rating	IP54, Class I Insulation (24 Vac)
Internal Auxiliary Switch	0
Fluid Temperature (C)	150 C Maximum
Fluid Temperature (F)	300 F Maximum
Actuator Type	Valve
Control Signal	0 to 10 Vdc; 2 to 10 Vdc
Fail Safe Mode	Stays in place
Torque Rating (lb-in.)	405 lbf
Torque Rating (Nm)	1800 N
Switches	Yes
Stroke (in.)	3/4 in.
Stroke (mm)	20 mm
Cable	Two knockout holes for 1/2 in. conduit standard on actuator case
Timing, Nominal	Driving @ 60 Hz-- 95 sec
Feedback	2-10 Vdc
Manual operation	Knob