

Linear valve actuator

Modulating/3-position control, 13...25mm stroke



M2 Series ...

Application

Operation of seat valves series VA2T/F or VA3T/F with 20mm stroke.

Modulating control is effected by means of a standard 0(2)...10Vdc / 0(4)...20mAdc control signal; it can also operate as 3-position control function by different wiring.

Design features

- Simple attachment to the neck of the valve by means of a clamping strap.
- The actuator is short-circuit-proof and protected against polarity reversal.
- The stroke is adapted automatically and is also over load-proof.
- Built-in manual operating knob for emergency purpose.
- The stroke of the valve is indicated mechanically on the mounting bracket; the maximum stroke adjusts itself automatically.
- Selectable parallel or sequence control functions of multi actuators.
- The actuator can operate as either normally close (N.C.) or normally open (N.O.) function by configure on-site.
- Selectable 0...10/2...10Vdc or 0...20/4...20mA control input signal.

Types and operating data

Type	Supply (+15...-10%)	Function	Stroke (mm)	Actuating force
M2-400-S	24Vac	Modulating	13...25	400N
M2-800	24Vac	Modulating	13...25	800N
M2-1500	24Vac	Modulating	13...25	1500N

Ordering information

When ordering, please give quantity, designation and type code.

Example: 1pc, Modulating linear valve actuator, 800N, M2-800

Technical data

Power consumption	- M2-400-S	5 watt
	- M2-800	7.5 watt
	- M2-1500	12 watt
Control signal	0(2)...10Vdc / 0(4)...20mAdc	
Measuring voltage U	0(2)...10Vdc., 0.5mA	
Stroke	20mm (factory preset)	
Running time / 20mm	30s	
Protection degree	IP54	
Permissible ambient condition	- Operation	0°C...50°C
	- Storage	-40°C...80°C
	- Humidity test	To EN 60730-1
Weight	1.5kg	

Approvals

 Conformity to	- EMC directive	89/336/EEC,93/68/EEC
	- Low voltage directive	73/23/EEC

Connection diagram

	+	1	System phase (24V ac)
	-	2	System neutral
	Y	3	Control signal0(2)...10V dc
	Y1	4	Control signal0(4)...20mA dc
	U	5	Measuring Signal0(2)...10V dc
	B	6	Control signal On-Off

Dimensions

Dimension in mm

