

Linear valve actuator

Modulating/3-position control, 25...52mm stroke



M4 Series ...

Application

Operation of seat valves series VA2F or VA3F with 40mm 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
M4-1500	24Vac	Modulating	25...52	1500N
M4-2500	24Vac	Modulating	25...52	2500N

Ordering information

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

Example: 1pc, Modulating linear valve actuator, 1500N, M4-1500

Technical data

Power consumption	M4-1500	12 watt
	M4-2500	15 watt
Control signal		0(2)...10Vdc / 0(4)...20mA dc
Measuring voltage U		0(2)...10Vdc., 0.5mA
Stroke		40mm (factory preset)
Running time / 40mm	M4-1500	60s
	M4-2500	120s
Protection degree		IP54
Permissible ambient condition		
	- Operation	0°C...50°C
	- Storage	-40°C...80°C
	- Humidity test	To EN 60730-1
Weight		2.6kg

Approvals

CE Conformity to

- EMC directive
- Low voltage directive

89/336/EEC, 93/68/EEC
73/23/EEC

Connection diagram

	+	1	System phase (24V ac)
	-	2	System neutral
	Y	3	Control signal 0(2)...10V dc
	Y1	4	Control signal 0(4)...20mA dc
	U	5	Measuring Signal 0(2)...10V dc
	B	6	Control signal On-Off

Dimensions

Dimension in mm

