

electrical actuator type AN01



Description:

Electric actuator for installation on valves with mounting flange ISO5211 / DIN3337. To regulate, open and close valves.

Features:

- suitable for valves with ISO 5211 mounting pad
- ETL electronic torque limiting
- AVS automatic voltage sensing
- automatic temperature control
- emergency operating
- visual position indicator
- preset angle 90°

models:

L/H10, S20, S35, S55, S85, S140, S300

construction:

Plastic body with stem-intake

Temperature:

-20°C - +70°C

design:

body:

Duty rating (ED):

plugs:

Endswitches:

temperature:

flange:

power supply:

mounting position:

Options:

(with model S)

2-piece plastic body

polyamid PA6

75% (acc. to 10 minutes)

L/H10: DIN 43650 ISO 4400 C-192/C-193

S20 – S85: EN175301-803 Form A

Industrial connector form C (9,4mm)

S140 / S300: EN175301-803 Form A

SPST NO 5A 125V AC / 3A 250V AC

-20°C bis +70°C

nach ISO 5211

Actuator L 24V AC/DC – Low Version

Actuator H 85-240V AC/DC – High Version

Actuator S 24 – 240V AC/DC

free, not upside down

BSR – battery safety pack:

In case of a power failure, the actuator turns to a predefined safety position (open or close)

DPS – Digital positioning system:

The position of the actuator is controlled by an analogue input signal and provides its actual position as an analogue output signal. (Signal: 0-10V, 1-10V, 0-20mA, 4-20mA)

3-Positions:

The actuator has the possibility to drive to an additional middle position

Permanent phase NC / NO:

The actuator is permanently supplied with voltage via a wire. By switching the second wire, the actuator moves in the opposite direction.

The actuator must be connected single phase!

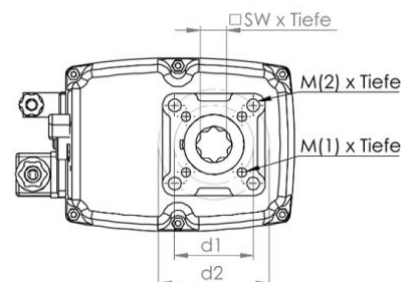
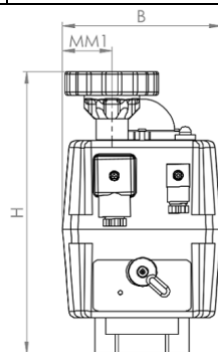
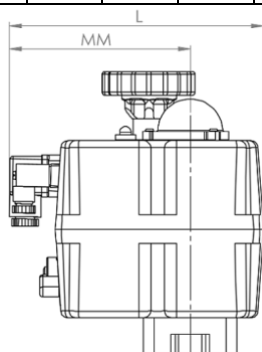
The desired variant (NC or NO) must be specified when ordering, as no subsequent reconfiguration is possible.

Technical information:

actuator	Protection class	power heater	Duty rating	Current consumption at max. torque				Operating torque	Break torque	Working time without load
				24V AC	24V DC	110V AC	230V AC			
L/H10	IP65	4W	75%	0,4A L 9,4W	0,4A L 9,4W	0,3A H 30W	0,3A H 60W	10 Nm	12 Nm	L10 = 19 sec. (+/- 10%) H10 = 16 sec. (+/- 10%)
S20	IP67	3,5W	75%	1,3A 30,7W	1,0A 23,4W	0,3A 32,7W	0,2A 46,0W	20 Nm	25 Nm	10 sec. (+/- 10%)
S35	IP67	3,5W	75%	1,7A 40,2W	1,4A 32,8W	0,4A 41,9W	0,2A 46,0W	35 Nm	38 Nm	10 sec. (+/- 10%)
S55	IP67	3,5W	75%	2,0A 47,5W	1,6A 39,0W	0,4A 47,0W	0,2A 46,0W	55 Nm	60 Nm	13 sec. (+/- 10%)
S85	IP67	3,5W	75%	1,5A 36,0W	1,2A 29,3W	0,3A 36,5W	0,2A 46,0W	85 Nm	90 Nm	29 sec. (+/- 10%)
S140	IP67	3,5W	75%	3,3A 79,2W	2,5A 60,7W	0,7A 78,7W	0,4A 105,6W	140 Nm	170 Nm	34 sec. (+/- 10%)
S300	IP67	3,5W	75%	3,3A 79,2W	2,7A 64,7W	0,8A 84,7W	0,5A 113,5W	300 Nm	350 Nm	58 sec. (+/- 10%)

dimensions:

actuator	ISO Flange d1	ISO Flange d2	ISO Flange d3	Stem intake mm x depth mm	screws x screw intake length	MM	MM1	B	H	L	weight (standard)
L/H10	F03	F05	--	14 x 17	M(1): 4 x M5 (9mm) M(2): 4 x M6 (9mm)	127	--	105	119	175	0,9kg
S20	F03	F04	F05	14 x 16	M(1): 4 x M5 (9mm) M(2): 4 x M5 (9mm) M(3): 4 x M6 (9mm)	125	34	110	171	176	1,8kg
S35	F03	F04	F05	14 x 16	M(1): 4 x M5 (9mm) M(2): 4 x M5 (9mm) M(3): 4 x M6 (9mm)	125	34	110	171	176	1,9kg
S55	F05	F07	--	17 x 18	M(1): 4 x M6 (25mm) M(2): 4 x M8 (25mm)	125	34	110	196	176	2,4kg
S85	F05	F07	--	17 x 18	M(1): 4 x M6 (25mm) M(2): 4 x M8 (25mm)	125	34	110	196	176	3,0kg
S140	F07	F10	--	22 x 24	M(1): 4 x M8 (25mm) M(2): 4 x M10 (25mm)	127	165	218	244	236	5,2kg
S300	F07	F10	--	22 x 24	M(1): 4 x M8 (25mm) M(2): 4 x M10 (25mm)	127	165	218	244	236	5,2kg



article number:

Typ	Option	voltage	actuator
AN01 - electric	00 – Standard	00 – 24-240V AC/DC * 01 – 24V AC/DC** 02 – 85-240V AC/DC***	00 – L10 01 – H10 02 – S20 03 – S35 04 – S55 05 – S85 06 – S140 07 – S300

example Nr. AN01000002:

AN01	00	00	02
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electrical actuator

option: standard
voltage: 24-240V AC/DC
actuator: S20
torque: 20Nm

*) possible from actuator 02 – S-versions
**) only possible with actuator 00 – L10
***) only possible with actuator 01 – H10

Image similar, subject change without notice.