

# High Torque Actuator Data Sheet

**Electrical data multi-turn actuators for OPEN-CLOSE duty with 3 phase AC motors Short-time duty S2 - 15 min., 415 V / 50 Hz**

**SA 25.1 – SA 40.1**

Multi-turn actuator			Motor						
Type	Speed rpm	Torque max. Nm	Type	Power P <sub>N</sub> (kW)	Speed rpm	Nominal current <sup>1)</sup> I <sub>N</sub> (A)	Current <sup>2)</sup> approx. I <sub>max</sub> (A)	Starting current I <sub>A</sub> (A)	Cosφ
SA 25.1	4	2,000	AD00 90-8/130	1.1	700	6.4	8.2	16	0.48
	5.6		AD00 90-8/130	1.1	700	6.4	9.2	16	0.48
	8		AD00 90-4/130	3.0	1,400	6.4	10	35	0.80
	11		AD00 90-4/130	3.0	1,400	6.4	11	35	0.80
	16		AD00 90-2/130	4.0	2,800	9.2	15	53	0.78
	22		AD00 90-2/130	4.0	2,800	9.2	18	53	0.78
	32		AD00 132-4/140	7.5	1,400	20	37	110	0.65
	45		AD00 132-4/140	7.5	1,400	20	44	110	0.65
	63		AD00 132-2/180	15	2,800	27	55	174	0.90
	90		AD00 132-2/180	15	2,800	27	64	174	0.90
SA 30.1	4	4,000	AD00 112-8/140	2.2	700	10	14	33	0.58
	5.6		AD00 112-8/140	2.2	700	10	15	33	0.58
	8		AD00 112-4/110	5.5	1,400	12	18	55	0.77
	11		AD00 112-4/110	5.5	1,400	12	21	55	0.77
	16		AD00 112-2/140	7.5	2,800	18	26	110	0.78
	22		AD00 112-2/140	7.5	2,800	18	27	110	0.78
	32		AD00 160-4/160	15	1,400	40	53	201	0.63
	45		AD00 160-4/160	15	1,400	40	61	201	0.63
	63		AD00 160-2/215	30	2,800	60	119	339	0.88
	90		AD00 160-2/215	30	2,800	60	137	339	0.88
SA 35.1	4	8,000	AD00 132-8/150	4	700	18	27	64	0.44
	5.6		AD00 132-8/150	4	700	18	32	64	0.44
	8		AD00 132-4/140	7.5	1,400	20	44	110	0.65
	11		AD00 132-4/140	7.5	1,400	20	50	110	0.65
	16		AD00 132-2/180	15	2,800	27	55	174	0.90
	22		AD00 132-2/180	15	2,800	27	64	174	0.90
	32		AD00 160-2/214	20	2,800	37	73	238	0.90
	45		AD00 160-2/214	20	2,800	37	87	238	0.90
SA 40.1	4	16,000	AD00 160-8/165	7.5	700	27	50	85	0.50
	5.6		AD00 160-8/165	7.5	700	27	53	85	0.50
	8		AD00 160-4/160	15	1,400	40	64	201	0.63
	11		AD00 160-4/160	15	1,400	40	80	201	0.63
	16		AD00 160-2/215	30	2,800	60	137	339	0.88
	22		AD00 160-2/215	30	2,800	60	156	339	0.88
	32		AD00 160-2/215	30	2,800	60	183	339	0.88

Motor data are approximate. Due to usual manufacturing tolerances, there may be deviations from the values given.

The permissible fluctuation of the nominal voltage is  $\pm 10\%$ . If the voltage drops below, there is a reduction of the nominal output torque.

To protect against overheating, thermostats are embedded in the motor windings. For actuators without integral controls (Auma Norm), these have to be connected to the external control circuit.

If thermostats are not connected, warranty for motor becomes void:

Rating of the thermostats:

AC		DC	
250 V. 50 – 60 Hz		60 V	1.0 A
Cos φ = 1	2.5 A	42 V	1.2 A
Cos φ = 0.6	1.6 A	24 V	1.5 A

For further details refer to "Technical data multi-turn actuators for OPEN-CLOSE duty with 3-phase AC motors SA 25.1 – SA 40.1".

1) Current at running torque according to "Technical data SA 25.1 – SA 40.1"

2) Current at max. torque. We recommend to select switching devices according to these values.

We reserve the right to alter data according to improvements made. Previous documents become invalid with the issue of this document.

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