

Electrical data Multi-turn actuators for open-close duty with 3-phase AC motors Short-time duty S2 - 15 min, 400 V/50 Hz	SAExC 07.1 – SAExC 16.1
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Multi-turn actuator			Motor						
Type	Speed rpm	Torque max. Nm	Type	Power P _N (kW)	Speed rpm	Nominal current ¹⁾ I _N (A)	Current ²⁾ approx. I _{max} . (A)	Starting current I _A (A)	cos φ
SAExC 07.1	4	30	VDX0 63-4/30A	0.025	1,400	0.4	0.4	1.0	0.50
	5.6		VDX0 63-4/30A	0.025	1,400	0.4	0.4	1.0	0.50
	8		VDX0 63-4/30	0.045	1,400	0.4	0.5	1.0	0.50
	11		VDX0 63-4/30	0.045	1,400	0.4	0.5	1.0	0.50
	16		VDX0 63-2/30	0.09	2,800	0.6	0.5	1.9	0.60
	22		VDX0 63-2/30	0.09	2,800	0.6	0.6	1.9	0.60
	32		ADX0 63-4/50	0.18	1,400	0.9	1.1	2.4	0.50
	45		ADX0 63-4/50	0.18	1,400	0.9	1.2	2.4	0.50
	63		ADX0 63-2/60	0.37	2,800	1.0	1.2	4.4	0.73
	90		ADX0 63-2/60	0.37	2,800	1.0	1.2	4.4	0.73
SAExC 07.5	125	25	ADX0 63-2/60	0.37	2,800	1.0	1.2	4.4	0.73
	180		ADX0 63-2/60	0.37	2,800	1.0	1.3	4.4	0.73
	4	60	VDX0 63-4/30B	0.046	1,400	0.4	0.8	1.0	0.50
	5.6		VDX0 63-4/30B	0.046	1,400	0.4	0.8	1.0	0.50
	8		VDX0 63-4/45	0.09	1,400	0.6	0.6	1.6	0.49
	11		VDX0 63-4/45	0.09	1,400	0.6	0.6	1.6	0.49
	16		VDX0 63-2/45	0.18	2,800	0.7	0.9	3.0	0.60
	22		VDX0 63-2/45	0.18	2,800	0.7	1.0	3.0	0.60
	32		ADX0 63-4/80	0.37	1,400	1.7	2.1	4.6	0.58
	45		ADX0 63-4/80	0.37	1,400	1.7	2.8	4.6	0.58
	63		ADX0 63-2/80	0.75	2,800	1.7	2.3	9.0	0.80
	90		ADX0 63-2/80	0.75	2,800	1.7	2.6	9.0	0.80
SAExC 10.1	125	50	ADX0 63-2/80	0.75	2,800	1.7	2.6	9.0	0.80
	180		ADX0 63-2/80	0.75	2,800	1.7	3.2	9.0	0.80
	4	120	VDX0 71-4/35A	0.09	1,400	0.5	0.6	2.0	0.60
	5.6		VDX0 71-4/33A	0.09	1,400	0.5	0.6	2.0	0.60
	8		VDX0 71-4/35	0.18	1,400	1.0	1.1	3.0	0.49
	11		VDX0 71-4/35	0.18	1,400	1.0	1.2	3.0	0.49
	16		VDX0 71-2/35	0.37	2,800	1.4	1.7	4.5	0.67
	22		VDX0 71-2/35	0.37	2,800	1.4	1.9	4.5	0.67
	32		ADX0 71-4/80	0.75	1,400	2.5	3.0	8.5	0.64
	45		ADX0 71-4/80	0.75	1,400	2.5	3.2	8.5	0.64
	63		ADX0 71-2/80	1.5	2,800	4.0	5.0	16	0.70
	90		ADX0 71-2/80	1.5	2,800	4.0	5.8	16	0.70
SAExC 14.1	125	100	ADX0 71-2/80	1.5	2,800	4.0	5.5	16	0.70
	180		ADX0 71-2/80	1.5	2,800	4.0	6.7	16	0.70
	4	250	VDX0 90-8/40	0.18	700	1.8	2.0	4.5	0.45
	5.6		VDX0 90-8/40	0.18	700	1.8	2.0	4.5	0.45
	8		VDX0 90-4/40	0.37	1,400	1.1	1.7	5.2	0.74
	11		VDX0 90-4/40	0.37	1,400	1.1	1.8	5.2	0.74
	16		VDX0 90-2/40	0.75	2,800	1.9	3.5	9.0	0.81
	22		VDX0 90-2/40	0.75	2,800	1.9	3.8	9.0	0.81
	32		ADX0 90-4/75	1.5	1,400	3.6	5.4	16	0.80
	45		ADX0 90-4/75	1.5	1,400	3.6	5.9	16	0.80
	63		ADX0 90-2/85	3.0	2,800	7.6	10	38	0.83
	90		ADX0 90-2/85	3.0	2,800	7.6	11	38	0.83
SAExC 14.5	125	200	ADX0 90-2/85	3.0	2,800	7.6	14	38	0.83
	180		ADX0 90-2/85	3.0	2,800	7.6	14	38	0.83
	4	500	VDX0 90-8/60	0.37	700	3.0	3.5	6.0	0.45
	5.6		VDX0 90-8/60	0.37	700	3.0	3.0	6.0	0.45
	8		VDX0 90-4/50	0.75	1,400	2.3	3.6	9.3	0.70
	11		VDX0 90-4/50	0.75	1,400	2.3	3.9	9.3	0.70
	16		VDX0 90-2/50	1.5	2,800	4.3	6.0	18	0.72
	22		VDX0 90-2/50	1.5	2,800	4.3	7.0	18	0.72
	32		ADX0 90-4/130	3.0	1,400	7.0	10	38	0.80
	45		ADX0 90-4/130	3.0	1,400	7.0	11	38	0.80
	63		ADX0 90-2/130	4.0	2,800	10	16	58	0.78
	90		ADX0 90-2/130	4.0	2,800	10	17	58	0.78
SAExC 16.1	125	400	ADX0 90-2/130	4.0	2,800	10	22	58	0.78
	180		ADX0 90-2/130	4.0	2,800	10	22	58	0.78
	4	1,000	ADX0 90-8/85	0.75	700	4.0	4.8	8.0	0.50
	5.6		ADX0 90-8/85	0.75	700	4.0	5.0	8.0	0.50
	8		ADX0 90-4/75	1.5	1,400	3.6	6.5	16	0.80
	11		ADX0 90-4/75	1.5	1,400	3.6	7.4	16	0.80
	16		ADX0 90-2/85	3.0	2,800	7.6	11	38	0.83
	22		ADX0 90-2/85	3.0	2,800	7.6	12	38	0.83
	32		ADX0 112-4/110	5.5	1,400	13	19	60	0.77
	45		ADX0 112-4/110	5.5	1,400	13	22	60	0.77
	63		ADX0 112-2/140	7.5	2,800	18	30	120	0.78
	90		ADX0 112-2/140	7.5	2,800	18	33	120	0.78
	125	800	ADX0 112-2/140	7.5	2,800	18	35	120	0.78
	180		ADX0 112-2/140	7.5	2,800	18	45	120	0.78

1) Current at running torque according to "Technical data SAExC 07.1 – SAExC 16.1".

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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Motor data is 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, thermoswitches or PTC thermistors are embedded in the motor windings. For actuators without integral controls (AUMA NORM) these have to be connected to the external control circuit. According to EN 60079-14, a thermal overload relay (e.g. motor protection switch) must be installed for explosion-proof actuators in addition to the thermoswitches. PTC thermistors require additionally a suitable tripping device in the controls. If thermoswitches or PTC thermistors are not connected, this voids our warranty for the motor.

Rating of the thermoswitches:

AC		DC	
250 V, 50 – 60 Hz		60 V	1.0 A
$\cos \varphi = 1$	2.5 A	42 V	1.2 A
$\cos \varphi = 0.6$	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 SAExC 07.1 – SAExC 16.1”.

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