

Electrical data Part-turn actuators for open-close duty with 3-phase AC motors
Short-time duty S2 - 15 min, 400 V/50 Hz

SG 05.1 – SG 12.1

Part-turn actuator			Motor						
Type	Operating time for 90° in seconds	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
SG 05.1	4	150	SD00 50-2/60	0.160	2,800	0.60	0.8	1.7	0.67
	5.6		SD00 50-2/60	0.160	2,800	0.60	0.7	1.7	0.67
	8		SD00 50-2/40	0.090	2,800	0.50	0.6	1.4	0.58
	11		SD00 50-4/60	0.080	1,400	0.55	0.6	0.9	0.60
	16		SD00 50-4/40	0.045	1,400	0.35	0.4	0.5	0.60
	22		SD00 50-4/40	0.045	1,400	0.35	0.4	0.5	0.60
SG 07.1	32	210	SD00 50-4/40	0.045	1,400	0.35	0.4	0.5	0.60
	5.6		SD00 50-2/60	0.160	2,800	0.60	0.8	1.7	0.67
	8		SD00 50-2/60	0.160	2,800	0.60	0.8	1.7	0.67
	11		SD00 50-2/60	0.160	2,800	0.60	0.7	1.7	0.67
	16		SD00 50-2/40	0.090	2,800	0.50	0.6	1.4	0.58
	22		SD00 50-4/60	0.080	1,400	0.55	0.7	0.9	0.60
SG 10.1	32	300	SD00 50-4/60	0.080	1,400	0.55	0.6	0.9	0.60
	11		SD00 50-2/60	0.160	2,800	0.60	0.9	1.7	0.67
	16		SD00 50-2/60	0.160	2,800	0.60	0.9	1.7	0.67
	22		SD00 50-2/60	0.160	2,800	0.60	0.8	1.7	0.67
	32		SD00 50-2/40	0.090	2,800	0.50	0.7	1.4	0.58
	45		SD00 50-4/60	0.080	1,400	0.55	0.6	0.9	0.60
SG 12.1	63	600	SD00 50-4/60	0.080	1,400	0.55	0.6	0.9	0.60
	22		SD00 50-2/60	0.160	2,800	0.60	0.9	1.7	0.67
	32		SD00 50-2/60	0.160	2,800	0.60	0.9	1.7	0.67
	45		SD00 50-4/60	0.080	1,400	0.55	0.7	0.9	0.60
SG 12.1	63	840	SD00 50-4/60	0.080	1,400	0.55	0.7	0.9	0.60
	1,200		SD00 50-2/60	0.160	2,800	0.60	0.9	1.7	0.67
SG 12.1	45	1,200	SD00 50-4/60	0.080	1,400	0.55	0.7	0.9	0.60
	63		SD00 50-4/60	0.080	1,400	0.55	0.7	0.9	0.60

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 ± 10 %. If the voltage drops below, there is a reduction of the nominal output torque.

To protect against overheating, thermostiches 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 (refer to terminal plan). If the thermostiches or PTC thermistors are not connected, this will void our warranty for the motor.

Rating of the thermostiches:

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 Part-turn actuators for open-close duty with 3-phase AC motors SG 05.1 – SG 12.1”.

1) Current at running torque according to “Technical data SG 05.1 – SG 12.1”

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.