

Electrical data Multi-turn actuators for open-close duty with 3-phase AC motors Short-time duty S2 - 15 min, 380 V/50 Hz								KZC10-KZC35				
Multi-turn actuator			Motor									Approx. Weight (kg)
Type	Speed rpm	Torque max.Nm	Type	Power <sup>1)</sup> Pn(KW)	Speed rpm	Nominal current <sup>2)</sup> IN (A)	Current <sup>3)</sup> approx. Imax. (A)	Starting current IA (A)	cos φ	SCHWARZ Power class Contactor <sup>4)</sup> Thyristor <sup>4)</sup>		
KZC10	18	34	MB10-0.08	0.08	1400	0.55	0.65	2.51	0.84	C1	T1	30
	24	34	MB10-0.08	0.08	1400	0.55	0.85	2.51	0.84	C1	T1	
	36	34	MB10-0.08	0.08	1400	0.55	0.95	2.51	0.86	C1	T1	
	48	34	MB10-0.12	0.12	1400	1.00	1.40	4.20	0.86	C1	T1	
	72	34	MB10-0.15	0.15	1400	1.20	1.90	6.71	0.83	C1	T1	
	96	34	MB10-0.20	0.20	1400	1.60	2.50	8.94	0.82	C1	T1	
KZC12	18	81	MB12-0.13	0.13	1400	1.20	1.37	4.02	0.82	C1	T1	
	24	81	MB12-0.16	0.16	1400	1.30	1.76	4.36	0.82	C1	T1	
	36	81	MB12-0.22	0.22	1400	1.80	1.87	6.16	0.82	C1	T1	
	48	68	MB12-0.22	0.22	1400	1.80	2.21	6.16	0.82	C1	T1	
	72	48	MB12-0.22	0.22	1400	1.80	2.34	9.56	0.82	C1	T1	
	96	41	MB12-0.22	0.22	1400	1.80	2.36	9.56	0.82	C1	T1	
KZC18	18	108	MB18-0.17	0.17	1400	1.50	1.71	5.02	0.82	C1	T1	
	24	108	MB18-0.21	0.21	1400	1.75	2.37	5.87	0.82	C1	T1	
KZC20	18	203	MB20-0.33	0.33	1400	2.71	5.42	16.10	0.85	C1	T1	55
	24	203	MB20-0.42	0.42	1400	2.75	6.36	16.32	0.85	C1	T1	
	36	203	MB20-0.52	0.52	1400	3.50	5.65	22.88	0.85	C1	T1	
	48	203	MB20-0.63	0.63	1400	3.80	7.75	24.85	0.85	C1	T1	
	72	176	MB20-0.74	0.74	1400	5.95	8.99	48.57	0.83	C1	T1	
	96	142	MB20-0.83	0.83	1400	6.05	11.73	49.39	0.83	C1	T1	
	144	102	MB20-0.84	0.84	1400	6.15	13.18	43.93	0.83	C1	T1	
KZC25	18	400	MB25-0.64	0.64	1400	5.35	7.46	26.75	0.83	C1	T1	
	24	400	MB25-0.74	0.74	1400	5.95	9.08	29.75	0.83	C1	T1	
	36	298	MB25-0.76	0.76	1400	6.10	9.61	43.57	0.83	C1	T1	
	48	244	MB25-0.72	0.72	1400	5.94	10.08	42.43	0.83	C1	T1	
	72	244	MB25-1.03	1.03	1400	5.75	8.47	36.92	0.82	C1	T1	
	96	230	MB25-1.29	1.29	1400	7.24	12.96	46.49	0.82	C1	T1	
	144	149	MB25-1.19	1.19	1400	6.38	14.04	38.92	0.82	C1	T1	
KZC35	18	610	MB35-0.93	0.93	1400	5.10	7.11	25.50	0.87	C1	T1	58
	24	610	MB35-1.14	1.14	1400	5.80	8.85	29.00	0.87	C1	T1	
	36	542	MB35-1.14	1.14	1400	9.40	14.81	67.14	0.87	C1	T1	
	48	474	MB35-1.55	1.55	1400	9.50	16.12	67.86	0.80	C1	T2	
	72	474	MB35-2.05	2.05	1400	12.40	18.27	79.61	0.90	C1	T2	
	96	366	MB35-2.05	2.05	1400	10.20	18.26	65.50	0.80	C1	T2	
	144	257	MB35-2.06	2.06	1400	10.50	23.10	64.05	0.80	C1	T2	

1) The nominal electrical power can be calculated using the following formula:  $P = U \times I \times \cos \varphi \times \sqrt{3}$

2) Current at operating torque

3) Current at max. torque. We recommend to select switchgears according to these values.

4) Assignment of switchgears when using SCHWARZ controls of types SC01.  $C1 \leq 3KW$ ;  $3KW < C2 \leq 6KW$ ;  $C3 > 6KW$ ;  $T1 \leq 1.5KW$ ;  $1.5KW < T2 \leq 3KW$

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

**SCHWARZ**®

Issue 1.15

T01.01/en