Electrical data Multi-turn actuators for Modulating duty with 3-phase AC motors
Modulating duty S4 - 25 %, 380 V/50 Hz

SMR04-SMR100

Multi-turn actuator			Motor									
Type	Speed rpm	Torque MARx. Nm	Type	Power PN (kW) [1]	Speed rpm	Nominal current IN (A) [2]	Current approx. IMARx. (A) [3]	Starting current IA (A)	cos ϕ	SCHWARZ Power class Contactor [4]	Thyristor [4]	Approx. Weight (kg)
SMR04	11	40	MAR04-4-0.13	0.13	1400	0.40	0.5	1.1	0.50	C1	T1	26
	22		MAR04-8-0.23	0.23	700	0.60	0.7	2.0	0.57	C1	T1	
	45		MAR04-4-0.28	0.28	1400	1.00	1.1	2.5	0.42	C1	T1	27
	90		MAR04-4-0.32	0.32	1400	0.80	1.4	4.6	0.60	C1	T1	
	135		MAR04-4-0.41	0.41	1400	0.90	1.6	4.6	0.70	C1	T1	
SMR07	11	70	MAR07-4-0.15	0.15	1400	0.60	0.7	1.7	0.38	C1	T1	28
	22		MAR07-8-0.24	0.24	700	0.70	1.1	3.2	0.52	C1	T1	
	45		MAR07-4-0.47	0.47	1400	1.70	2.1	4.8	0.42	C1	T1	29
	90		MAR07-4-0.59	0.59	1400	1.70	2.6	9.5	0.53	C1	T1	
	135		MAR07-4-0.73	0.73	1400	1.80	3.2	9.5	0.62	C1	T1	
SMR12	9	120	MAR12-4-0.29	0.29	1400	1.10	1.2	3.2	0.40	C1	T1	31
	18		MAR12-4-0.48	0.48	700	1.40	1.6	4.7	0.52	C1	T1	
	35		MAR12-4-0.72	0.72	1400	2.60	2.7	8.9	0.42	C1	T1	34
	70		MAR12-4-1.14	1.14	1400	3.20	3.8	17	0.54	C1	T1	
	105		MA12-4-1.56	1.56	1400	3.70	5.5	17	0.64	C1	T2	
SMR30	9	300	MAR30-4-0.43	0.43	1400	1.10	1.7	5.5	0.60	C1	T1	52
	18		MAR30-8-0.67	0.67	700	1.60	3.2	9.5	0.64	C1	T1	
	35		MAR30-4-1.06	1.06	1400	2.60	4.2	17	0.62	C1	T1	56
	70		MAR30-4-1.93	1.93	1400	4.90	7.4	40	0.60	C1	T2	
	105		MAR30-4-2.40	2.40	1400	5.60	12	40	0.65	C1	T2	
SMR50	9	500	MAR50-4-0.66	0.66	1400	1.80	3.2	9.8	0.56	C1	T1	54
	18		MAR50-8-1.28	1.28	700	3.80	5.3	19	0.51	C1	T1	
	35		MAR50-4-2.10	2.10	1400	5.60	7.9	40	0.57	C1	T2	61
	70		MAR50-4-3.75	3.75	1400	9.50	14	61	0.60	C2	—	
	105		MAR50-4-4.28	4.28	1400	10.00	22	61	0.65	C2	—	
SMR100	9	1000	MAR100-4-1.09	1.09	1400	2.90	5.3	23	0.57	C1	T1	77
	18		MAR100-8-1.91	1.91	700	5.10	9.2	42	0.57	C1	T2	
	35		MAR100-4-4.16	4.16	1400	8.90	14	63	0.71	C2	—	88
	70		MAR100-4-6.32	6.32	1400	12.00	26	126	0.80	C3	—	
	105		MAR100-4-7.10	7.10	1400	13.00	37	126	0.83	C3	—	92

1) The nominal electrical power can be calculated using the following formula: P = U x I x cos ϕ x $\sqrt{3}$
2) Current at operating torque
3) Current at MARx. torque. We recommend to select switchgears according to these values.
4) Assignment of switchgears when using SCHWARZ controls of types SC01. C1≤3KW; 3KW<C2≤6KW; C3>6KW; T1≤1.5KW; 1.5KW<T2≤3KW