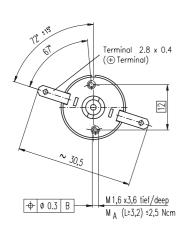
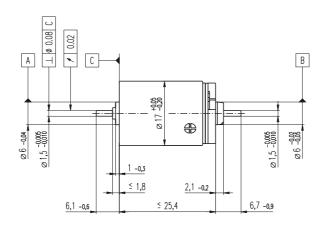
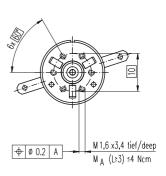
## RE-max 17 Ø17 mm, Graphite Brushes, 4.5 Watt





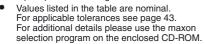


M 1:1

Stock program Standard program Special program (on request!)			Order Number													
			216008	216009	269571	216010	216011	216012	216013	216014	216015	216016	216017			Ī
Mo	otor Data															1
1	Assigned power rating	W	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5			
2	Nominal voltage	Volt	3.0	4.8	9.0	12.0	15.0	21.0	24.0	24.0	30.0	36.0	48.0			
	No load speed	rpm	11900	10800	11300	11200	11300	11900	11600	10400	10800	11500	10100			
	Stall torque	mNm	18.2	13.1	14.6	14.5	14.5	15.1	14.9	13.1	13.5	13.9	11.7			
	Speed / torque gradient	rpm / mNm	665	844	785	784	795	805	797	807	818	844	883			
6	No load current	mA	116	65	36	27	22	17	14	12	10	9	6			
7	Starting current	mA	7700	3170	1950	1450	1170	909	771	604	517	472	262			
8	Terminal resistance	Ohm	0.390	1.52	4.61	8.30	12.8	23.1	31.1	39.7	58.0	76.2	183			
9	Max. permissible speed	rpm	11900	11900	11900	11900	11900	11900	11900	11900	11900	11900	11900			
10	Max. continuous current	mA	720	72	568	424	341	254	219	194	160	140	90.2			
11	Max. continuous torque	mNm	1.33	2.49	3.65	3.65	3.63	3.6	3.62	3.6	3.57	3.52	3.43			
12	Max. power output at nominal voltage	mW	5490	3630	4230	4180	4230	4610	4470	3490	3740	4100	3010			
13	Max. efficiency	%	76	73	75	75	75	75	75	74	74	74	72			
14	Torque constant	mNm / A	2.37	4.14	7.49	10.1	12.4	16.6	19.3	21.7	26.0	29.4	44.5			
15	Speed constant	rpm / V	4040	2310	1270	950	769	577	494	440	367	325	214			
16	Mechanical time constant	ms	7	7	7	7	7	7	7	7	7	7	7			
17	Rotor inertia	gcm <sup>2</sup>	1.05	0.816	0.864	0.864	0.854	0.844	0.854	0.848	0.834	0.811	0.788			
18	Terminal inductance	mH	0.01	0.03	0.11	0.21	0.31	0.56	0.76	0.96	1.38	1.75	4.04			
19	Thermal resistance housing-ambient	K/W	35	35	35	35	35	35	35	35	35	35	35			
20	Thermal resistance rotor-housing	K/W	12	12	12	12	12	12	12	12	12	12	12			

Sp	ecifications	
•	Axial play	0.05 - 0.15 mm
•	Max. sleeve bearing loads axial (dynamic) radial (5 mm from flange) Force for press fits (static) (static, shaft supported)	0.8 N 1.4 N 35 N 280 N
•	Max. ball bearing loads axial (dynamic) radial (5 mm from flange) Force for press fits (static) (static, shaft supported)	2.2 N 7.8 N 30 N 280 N
•	Radial play sleeve bearing	0.012 mm
•	Radial play ball bearing	0.025 mm
•	Ambient temperature range	-30 +85°C
•	Max. rotor temperature	+125°C
•	Number of commutator segment	s 7
•	Weight of motor	27 g
•	2 pole permanent magnet	
•	Values listed in the table are non	ninal.

21 Thermal time constant winding



Options: Ball bearings in place of sleeve bearings and pigtails in place of terminals.

