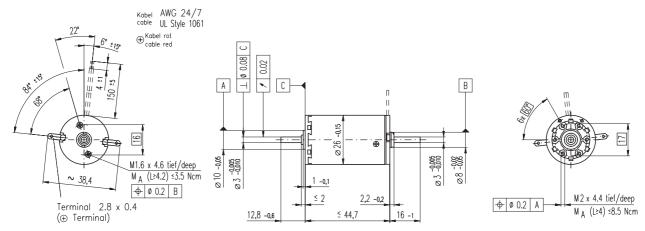
A-max 26 Ø26 mm, Graphite Brushes, 6 Watt



M 1:2

															141	•
Stock program				Order Number												
Standard program				Order Number												
	Special program (on request)															
	with	terminals	110946	110947	110948	110949	110950	110951	110952	110953	110954	110955	110956	110957		
	Wi	th cables	353143	353144	353145	353146	353147	353148	353149	353150	353151	353152	353153	353154		
M	otor Data															
	Values at nominal voltage								,	,						
1	Nominal voltage	V	7.2	9.0	12.0	12.0	18.0	18.0	24.0	24.0	30.0	36.0	42.0	48.0		
2	No load speed	rpm	9270	10000	10000	8300	8260	7410	8590	7870	8810	8440	8170	6240		
3	No load current	mA	118	104	76.8	59.7	39.2	34.0	30.8	27.6	25.4	20.0	16.4	10.3		
4	Nominal speed	rpm	7160	7620	7600	5590	5640	4790	5880	5100	6210	5850	5550	3550		
5	Nominal torque (max. continuous torque)	mNm	6.73	7.97	11.1	13.0	13.6	13.8	13.1	12.9	13.7	13.8	13.7	13.7		
6	Nominal current (max. continuous current	:) A	1.08	1.08	1.08	1.03	0.708	0.642	0.532	0.481	0.452	0.365	0.300	0.201		
7	Stall torque	mNm	38.2	39.7	52.7	43.8	45.6	41.0	43.5	38.1	47.9	46.4	43.7	32.6		
8	Starting current	Α	5.50	4.90	4.80	3.29	2.25	1.82	1.67	1.34	1.51	1.16	0.911	0.455		
9	Max. efficiency	%	67	69	73	72	74	73	74	73	75	75	75	72		
	Characteristics															
10	Terminal resistance	Ω	1.31	1.84	2.50	3.65	8.00	9.91	14.4	17.9	19.9	31.0	46.1	106		
11	Terminal inductance	mH	0.101	0.138	0.254	0.372	0.862	1.07	1.42	1.69	2.13	3.35	4.85	10.8		
12	Torque constant	mNm / A	6.94	8.09	11.0	13.3	20.2	22.5	26.0	28.3	31.8	39.9	48.0	71.6		
13	Speed constant	rpm / V	1380	1180	869	718	472	423	367	337	300	239	199	133		
14	Speed / torque gradient rp	m / mNm	260	268	198	197	186	186	203	213	188	186	191	197		
15	Mechanical time constant	ms	33.4	30.5	27.9	27.1	25.4	25.2	24.9	24.9	24.5	24.3	24.2	24.2		
16	Rotor inertia	gcm ²	12.3	10.9	13.5	13.2	13.0	12.9	11.7	11.2	12.5	12.5	12.1	11.7		

Planetary Gearhead

Planetary Gearhead

0.4 - 6.0 Nm Page 237 / 238 / 241

Spur Gearhead Ø38 mm

0.1 - 0.6 Nm

Page 243

Ø26 mm 0.5 - 2.0 Nm Page 235

Spur Gearhead

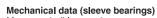
Ø30 mm 0.07 - 0.2 Nm

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Ø32 mm

Specifications Thermal data 132K/W Thermal resistance housing-ambient Thermal resistance winding-housing 3.2 K/W Thermal time constant winding 12.4 s Thermal time constant motor 660 s Ambient temperature ... +85°C 22 Max permissible winding temperature +125°C

Mechanical data (ball bearings) Max. permissible speed 10400 rpm Axial play 0.1 - 0.2 mm Radial play 0.025 mm Max. axial load (dynamic) 5 N Max. force for press fits (static) (static, shaft supported) 75 N 1200 N Max radial loading, 5 mm from flange 20.5 N



	Mechanical data (sleeve bearings)	
23	Max. permissible speed	10400 rpm
24	Axial play	0.1 - 0.2 mm
25	Radial play	0.012 mm
26	Max. axial load (dynamic)	1.7 N
27	Max. force for press fits (static)	80 N
	(static, shaft supported)	1200 N
28	Max. radial loading, 5 mm from flange	5.5 N

Other specifications

Number of pole pairs Number of commutator segments 13 100 g Weight of motor

Values listed in the table are nominal. Explanation of the figures on page 49.

Sleeve bearings in place of ball bearings

