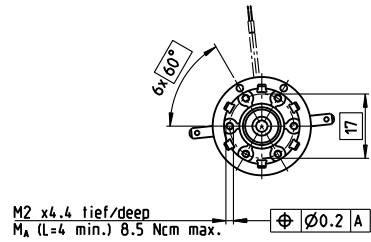
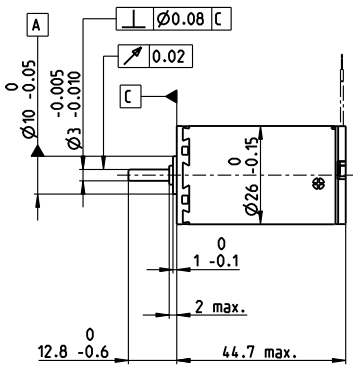
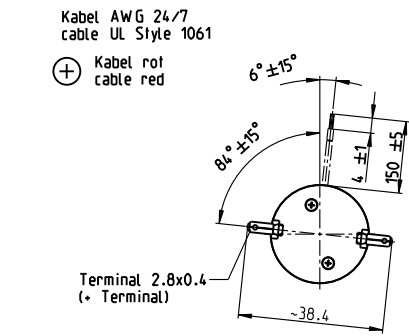


A-max 26 Ø26 mm, graphite brushes, 11 watt

A-max



M 1:2

- Stock program
- Standard program
- Special program (on request)

Part numbers										
with terminals	110935	110936	110937	110938	110939	110940	110941	110942	110943	110944
with cables	139852	353166	353167	353168	353169	206344	353171	314214	202893	353174

Motor data		110935	110936	110937	110938	110939	110940	110941	110942	110943	110944
Values at nominal voltage											
1 Nominal voltage	V	6	7.2	12	15	18	24	30	36	42	48
2 No load speed	rpm	9740	10400	8190	8450	8040	8890	7050	7280	7880	6010
3 No load current	mA	143	130	57	47.5	37.1	31.7	18.9	16.4	15.5	9.66
4 Nominal speed	rpm	9210	9700	6720	6620	6080	6910	5000	5230	5840	3900
5 Nominal torque	mNm	5.48	6.26	14.2	17.4	18.7	18.4	18.2	18.2	18.1	17.9
6 Nominal current (max. continuous current)	A	1.08	1.08	1.08	1.08	0.919	0.749	0.47	0.404	0.373	0.247
7 Stall torque	mNm	102	96.4	80.2	80.5	77.1	83.3	63	65.2	70.3	51.4
8 Stall current	A	17.4	14.7	5.79	4.8	3.64	3.26	1.57	1.4	1.4	0.684
9 Max. efficiency	%	83	82	81	81	81	82	80	80	80	78
Characteristics											
10 Terminal resistance	Ω	0.345	0.49	2.07	3.13	4.94	7.36	19.1	25.8	30.1	70.2
11 Terminal inductance	mH	0.04	0.051	0.227	0.333	0.529	0.77	1.9	2.58	2.99	6.68
12 Torque constant	mNm/A	5.84	6.57	13.9	16.8	21.2	25.5	40.1	46.7	50.3	75.2
13 Speed constant	rpm/V	1640	1450	689	569	451	374	238	205	190	127
14 Speed/torque gradient	rpm/mNm	96.6	109	103	106	105	108	113	113	113	119
15 Mechanical time constant	ms	14.6	14.7	14.6	14.7	14.7	14.7	14.9	14.9	14.9	15
16 Rotor inertia	gcm ²	14.4	12.9	13.6	13.2	13.3	13.1	12.5	12.6	12.5	12.1

Specifications	Operating range	Comments
Thermal data		Continuous operation In observation of above listed thermal resistance (lines 17 and 18) the maximum permissible winding temperature will be reached during continuous operation at 25°C ambient = Thermal limit.
17 Thermal resistance housing-ambient		
18 Thermal resistance winding-housing		
19 Thermal time constant winding		
20 Thermal time constant motor		
21 Ambient temperature		
22 Max. winding temperature		
Mechanical data (ball bearings)		Short term operation The motor may be briefly overloaded (recurring).
23 Max. speed		
24 Axial play		
25 Radial play		
26 Max. axial load (dynamic)		
27 Max. force for press fits (static)		
28 Max. radial load, 5 mm from flange		

Mechanical data (sleeve bearings)	Modular system	Details on catalog page 48
23 Max. speed	Gear 425_GP 26 A 426_GP 32 BZ 428_GP 32 A 429_GP 32 C 474-482_GP 32 S	Motor Control 550_ESCON Module 24/2 550_ESCON 36/2 DC 551_ESCON Module 50/5 553_ESCON 50/5 553_ESCON 70/10 557_ESCON2 Nano 24/2 557_ESCON2 Micro 60/5
24 Axial play		
25 Radial play		
26 Max. axial load (dynamic)		
27 Max. force for press fits (static)		
28 Max. radial load, 5 mm from flange		
Other specifications		
29 Number of pole pairs		
30 Number of commutator segments		
31 Weight of motor		

Values listed in the table are nominal.
Explanation of the figures on page 94.

Option
Sleeve bearings in place of ball bearings