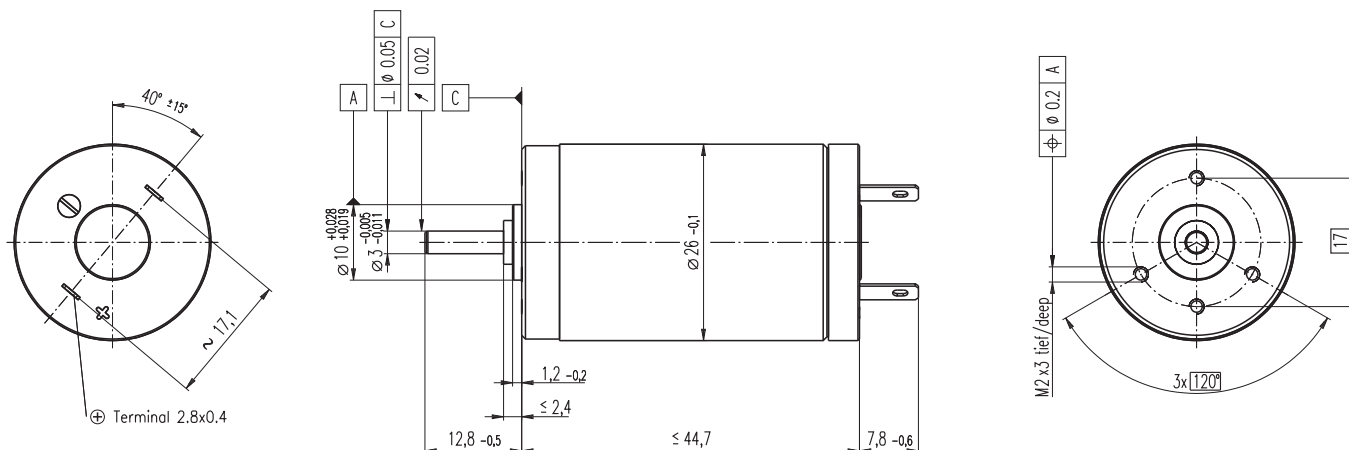


S 2326 Ø26 mm, Precious Metal Brushes, 4 Watt, C€ approved



M 1:1

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

Order Number

2326. ... -12.111-050 (Insert winding number)

Winding number

Motor Data		930	932	933	934	948	936	937	938	945	939	946	940	941	942	949
Values at nominal voltage																
1 Nominal voltage	V	3.0	3.6	4.5	6.0	6.0	7.2	9.0	12.0	12.0	15.0	18.0	18.0	24.0	30.0	42.0
2 No load speed	rpm	5380	5590	5920	6410	5390	4920	5120	5540	5390	5450	6030	5300	5940	6020	5680
3 No load current	mA	61.5	54.4	47.4	40.1	30.9	22.5	19.1	16.1	15.5	12.6	12.2	10.0	8.94	7.31	4.79
4 Nominal speed	rpm	4130	3910	4020	4060	2870	2460	2640	3030	2750	2910	3410	2740	3330	3390	2980
5 Nominal torque (max. continuous torque)	mNm	7.63	8.84	10.5	13	13.4	13.8	13.6	13.5	12.8	13.3	12.8	13.2	12.9	12.8	12.4
6 Nominal current (max. continuous current)	A	1.50	1.50	1.50	1.50	1.30	1.02	0.837	0.671	0.621	0.522	0.465	0.420	0.345	0.277	0.182
7 Stall torque	mNm	33.2	29.6	32.9	35.6	28.9	27.9	28.3	30.0	26.4	28.7	29.8	27.5	29.5	29.4	26.4
8 Starting current	A	6.29	4.87	4.57	4.02	2.75	2.02	1.71	1.46	1.25	1.11	1.06	0.858	0.773	0.626	0.378
9 Max. efficiency	%	82	80	81	81	80	80	80	81	79	80	80	80	80	80	79
Characteristics																
10 Terminal resistance	Ω	0.477	0.739	0.984	1.49	2.18	3.57	5.27	8.19	9.57	13.6	17.1	21.0	31.0	48.0	111
11 Terminal inductance	mH	0.0652	0.0866	0.121	0.183	0.258	0.447	0.644	0.980	1.03	1.58	1.86	2.41	3.41	5.17	11.4
12 Torque constant	mNm / A	5.28	6.08	7.19	8.85	10.5	13.8	16.6	20.5	21.0	26.0	28.2	32.1	38.2	47.0	69.7
13 Speed constant	rpm / V	1810	1570	1330	1080	909	691	576	467	455	367	339	298	250	203	137
14 Speed / torque gradient	rpm / mNm	163	191	182	182	189	179	183	187	207	192	205	195	204	207	218
15 Mechanical time constant	ms	19.0	18.6	18.2	18.0	17.9	17.7	17.7	17.7	17.9	17.8	17.9	17.8	17.9	18.0	18.1
16 Rotor inertia	gcm ²	11.1	9.30	9.57	9.42	9.03	9.46	9.23	9.03	8.24	8.84	8.32	8.71	8.38	8.27	7.91

Specifications

Thermal data

17 Thermal resistance housing-ambient	17 K / W
18 Thermal resistance winding-housing	2.4 K / W
19 Thermal time constant winding	5.72 s
20 Thermal time constant winding	926 s
21 Ambient temperature	-20 ... +65°C
22 Max. permissible winding temperature	+85°C

Mechanical data (sleeve bearings)

23 Max. permissible speed	6400 rpm
24 Axial play	0.05 - 0.15 mm
25 Radial play	0.02 mm
26 Max. axial load (dynamic)	1 N
27 Max. force for press fits (static)	100 N
28 Max. radial loading, 5 mm from flange	4.3 N

Other specifications

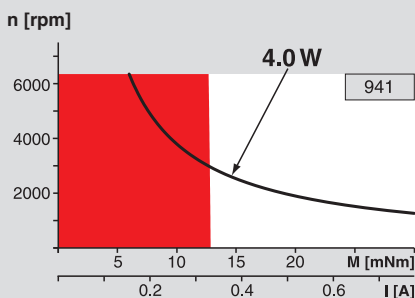
29 Number of pole pairs	1
30 Number of commutator segments	11
31 Weight of motor	107 g

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

Option

Ball bearings in place of sleeve bearings
Pigtails in place of terminals.

Operating Range



Comments

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.

Short term operation

The motor may be briefly overloaded (recurring).

Assigned power rating

maxon Modular System

Overview on page 16 - 21

Spur Gearhead

Ø30 mm
0.07 - 0.2 Nm
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