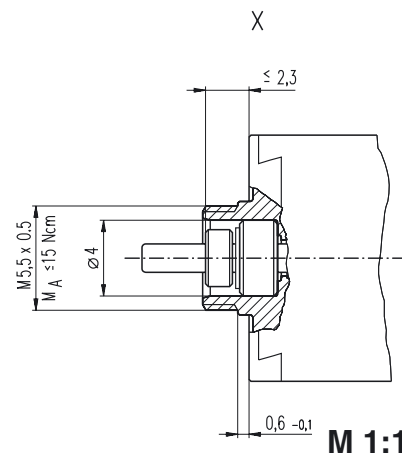
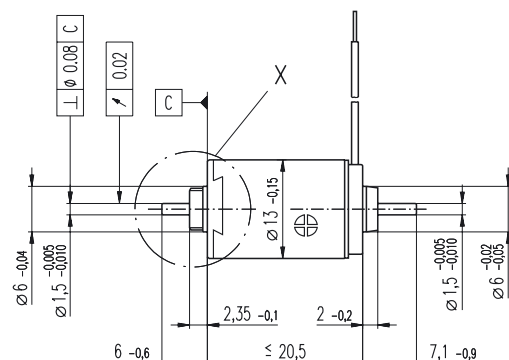
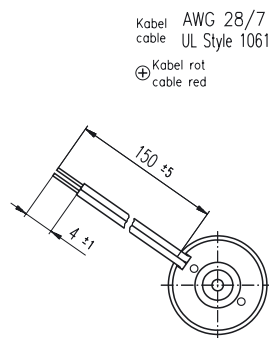


RE-max 13 Ø13 mm, Precious Metal Brushes, 0.75 Watt



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

Order Number

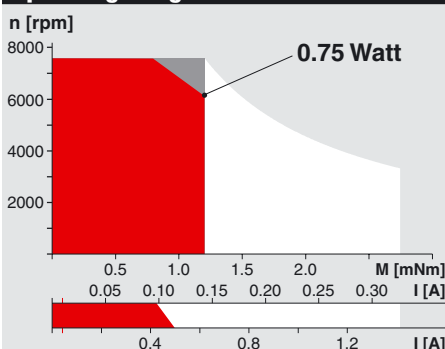
Motor Data

		268336	268337	268338	268339	268340	268341	268342	268343	268344	268345	268346	268347	268348	268349	268350
1 Assigned power rating	W	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
2 Nominal voltage	Volt	0.6	0.7	0.9	1.2	1.5	1.8	1.8	2.4	3.0	3.6	4.8	6.0	6.0	7.2	10.0
3 No load speed	rpm	6880	6710	6610	7270	7020	6870	5980	6520	6730	6510	6980	7030	6570	6680	7060
4 Stall torque	mNm	1.71	1.44	1.51	1.63	1.59	1.66	1.54	1.66	1.66	1.61	1.70	1.68	1.54	1.59	1.65
5 Speed / torque gradient	rpm / mNm	4170	4880	4560	4640	4600	4310	4040	4090	4220	4190	4250	4350	4440	4380	4450
6 No load current	mA	79	64	50	43	33	26	22	18	15	12	10	8	7	6	5
7 Starting current	mA	2140	1470	1210	1080	812	690	557	489	404	318	269	214	184	161	127
8 Terminal resistance	Ohm	0.281	0.491	0.742	1.11	1.85	2.61	3.23	4.90	7.42	11.3	17.8	28.0	32.6	44.9	78.8
9 Max. permissible speed	rpm	7600	7600	7600	7600	7600	7600	7600	7600	7600	7600	7600	7600	7600	7600	7600
10 Max. continuous current	mA	480	480	480	480	479	479	479	400	325	263	210	167	155	132	99.8
11 Max. continuous torque	mNm	0.334	0.414	0.536	0.657	0.859	1.06	1.22	1.25	1.23	1.23	1.22	1.21	1.20	1.21	1.20
12 Max. power output at nominal voltage	mW	302	246	255	303	285	292	235	276	285	269	304	302	258	271	298
13 Max. efficiency	%	66	63	64	65	65	66	65	66	66	65	66	66	65	65	65
14 Torque constant	mNm / A	0.802	0.98	1.25	1.51	1.96	2.41	2.76	3.39	4.10	5.08	6.33	7.84	8.37	9.89	13.0
15 Speed constant	rpm / V	11900	9740	7660	6310	4870	3970	3460	2820	2330	1880	1510	1220	1140	966	734
16 Mechanical time constant	ms	15	14	14	13	13	13	13	13	13	13	13	13	13	13	13
17 Rotor inertia	gcm ²	0.343	0.278	0.286	0.276	0.274	0.287	0.302	0.298	0.289	0.290	0.286	0.280	0.276	0.279	0.275
18 Terminal inductance	mH	0.01	0.01	0.01	0.02	0.03	0.05	0.07	0.10	0.15	0.22	0.35	0.53	0.61	0.85	1.47
19 Thermal resistance housing-ambient	K / W	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
20 Thermal resistance rotor-housing	K / W	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
21 Thermal time constant winding	s	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5

Specifications

- Axial play 0.05 - 0.15 mm
- Max. **sleeve bearing** loads
 - axial (dynamic) 0.8 N
 - radial (5 mm from flange) 1.4 N
 - Force for press fits (static) 35 N
- Radial play **sleeve bearing** 0.014 mm
- Ambient temperature range -20 ... +65°C
- Max. rotor temperature +85°C
- Number of commutator segments 7
- Weight of motor 15 g
- 2 pole permanent magnet
- Values listed in the table are nominal. For applicable tolerances see page 43. For additional details please use the maxon selection program on the enclosed CD-ROM.
- Alignment of the electronic connections not specified

Operating Range



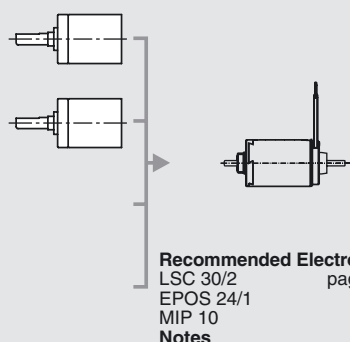
Comments

- Recommended operating range**
- Continuous operation**
In observation of above listed thermal resistances (lines 19 and 20) the maximum permissible rotor temperature will be reached during continuous operation at 25°C ambient.
= Thermal limit.
- Short term operation**
The motor may be briefly overloaded (recurring).
- Motor with high resistance winding (268350)
- Motor with low resistance winding (268336)

maxon Modular System

Planetary Gearhead
Ø13 mm
0.2 - 0.35 Nm
Details page 199

Planetary Gearhead
Ø13 mm
0.05 - 0.15 Nm
Details page 200



Overview on page 17 - 21

Encoder MR
16 CPT,
2 channels
Details page 232

Encoder MR
64 / 128 / 256 CPT,
2 channels
Details page 233 / 234