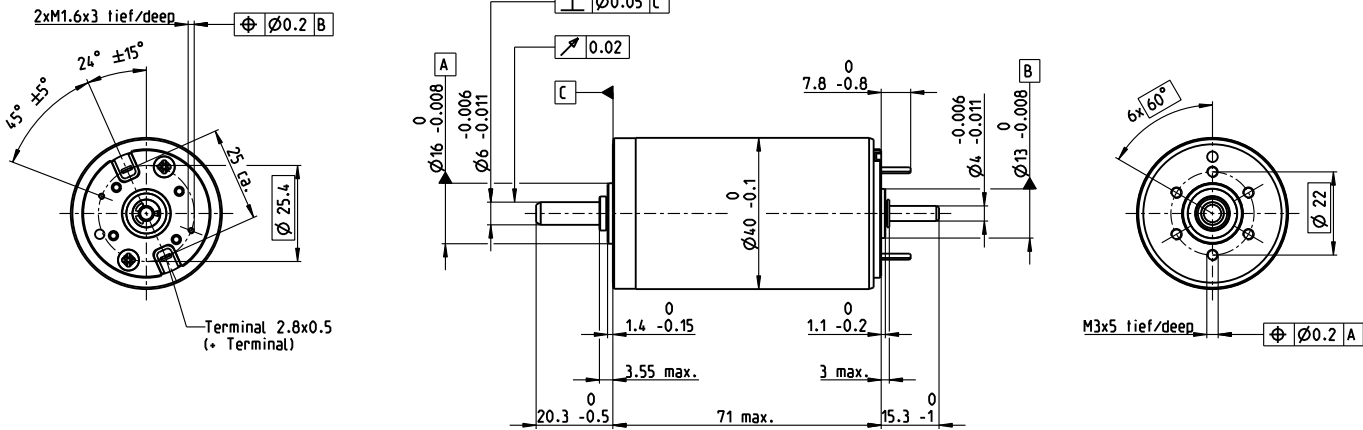


RE 40 Ø40 mm, precious metal brushes, 25 watt

RE

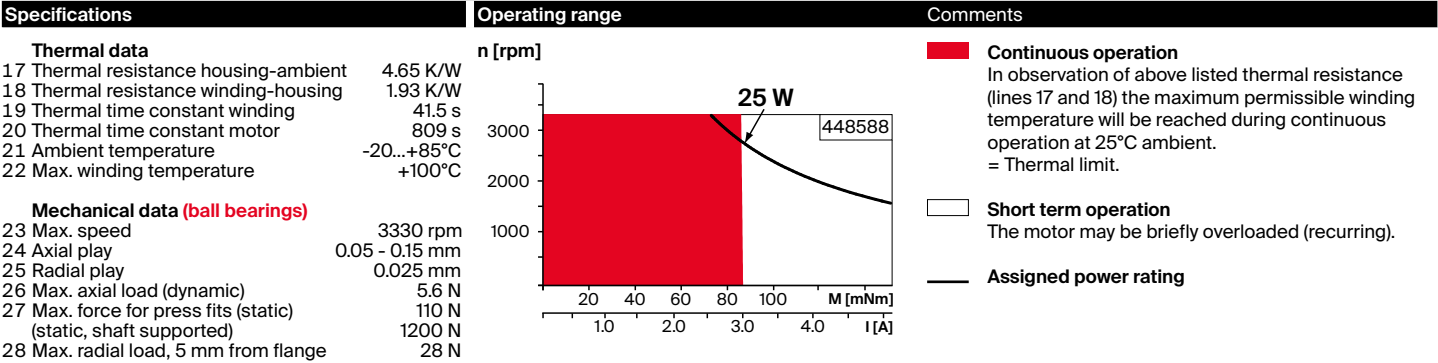


M 1:2

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

Part numbers

Motor data (provisional)		448588	448589	448590	448591	448592					
Values at nominal voltage											
1 Nominal voltage	V	9	18	24	42	48					
2 No load speed	rpm	2850	2850	2780	2920	2690					
3 No load current	mA	49.7	24.8	18.1	11	8.62					
4 Nominal speed	rpm	2560	2580	2470	2640	2400					
5 Nominal torque	mNm	87.8	87.8	88.2	87.6	87.6					
6 Nominal current (max. continuous current)	A	2.96	1.48	1.09	0.65	0.524					
7 Stall torque	mNm	873	956	794	895	818					
8 Stall current	A	29	15.9	9.66	6.53	4.81					
9 Max. efficiency	%	92	92	92	92	92					
Characteristics											
10 Terminal resistance	Ω	0.311	1.14	2.49	6.43	9.97					
11 Terminal inductance	mH	0.082	0.33	0.613	1.7	2.62					
12 Torque constant	mNm/A	30.2	60.3	82.2	137	170					
13 Speed constant	rpm/V	317	158	116	69.7	56.2					
14 Speed/torque gradient	rpm/mNm	3.27	2.98	3.51	3.27	3.3					
15 Mechanical time constant	ms	4.85	4.29	4.36	4.14	4.13					
16 Rotor inertia	gcm ²	142	137	119	121	120					



Modular system

Details on catalog page 48

Sensor
506_ENX 32 IMR
535_Encoder HEDS 5540
538_Encoder HEDL 5540

Motor Control
550_ESCON Module 24/2
550_ESCON 36/2 DC
551_ESCON Module 50/5
553_ESCON 50/5
557_ESCON2 Nano 24/2
557_ESCON2 Micro 60/5
563_EPOS4 Micro 24/5
564_EPOS4 Module 24/1.5
564_EPOS4 Module 50/5
565_EPOS4 Compact 24/5 3-axes
566_EPOS4 Compact 24/1.5
567_EPOS4 Compact 50/5
569_EPOS4 50/5

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

Option
Preloaded ball bearings