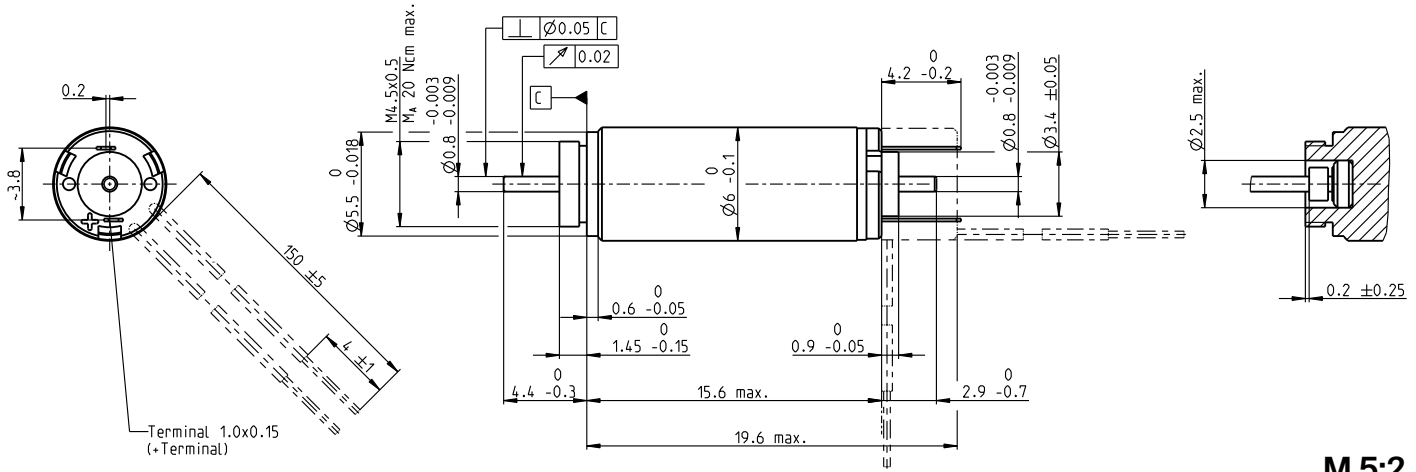


RE 6 Ø6 mm, precious metal brushes, 0.3 watt

RE



M 5:2

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

Part Numbers

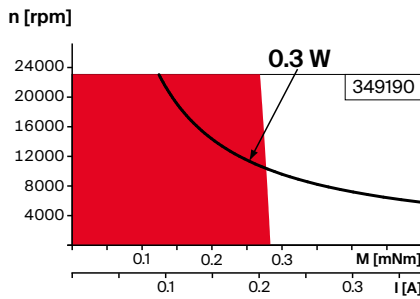
	386780	386781	386782	386783
B with cables				
A with terminals	349189	349190	349191	349192

Motor Data					
Values at nominal voltage					
1 Nominal voltage	V	1.5	3	4.5	6
2 No load speed	rpm	18500	18600	18600	18600
3 No load current	mA	42.6	21.3	14.2	10.7
4 Nominal speed	rpm	4680	5670	5400	5340
5 Nominal torque	mNm	0.302	0.324	0.318	0.316
6 Nominal current (max. continuous current)	A	0.453	0.242	0.158	0.118
7 Stall torque	mNm	0.419	0.485	0.469	0.465
8 Stall current	A	0.581	0.336	0.217	0.161
9 Max. efficiency	%	54	56	56	56
Characteristics					
10 Terminal resistance	Ω	2.58	8.92	20.8	37.2
11 Terminal inductance	mH	0.023	0.091	0.204	0.363
12 Torque constant	mNm/A	0.72	1.44	2.16	2.88
13 Speed constant	rpm/V	13300	6630	4420	3310
14 Speed/torque gradient	rpm/mNm	47500	41000	42400	42700
15 Mechanical time constant	ms	7.45	7.18	7.24	7.24
16 Rotor inertia	gcm ²	0.015	0.0167	0.0163	0.0162

Specifications

Thermal data	
17 Thermal resistance housing-ambient	77 K/W
18 Thermal resistance winding-housing	16.2 K/W
19 Thermal time constant winding	1.39 s
20 Thermal time constant motor	16.3 s
21 Ambient temperature	-20...+65°C
22 Max. winding temperature	+85°C
Mechanical data (sleeve bearings)	
23 Max. speed	23 000 rpm
24 Axial play	0.02 - 0.1 mm
25 Radial play	0.012 mm
26 Max. axial load (dynamic)	0.15 N
27 Max. force for press fits (static)	10 N
28 Max. radial load, 4 mm from flange	0.6 N

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**

Other specifications

29 Number of pole pairs	1
30 Number of commutator segments	5
31 Weight of motor	2.3 g

Values listed in the table are nominal.
Explanation of the figures on page 90.

Modular System

Gear
394_GP 6 A
443_GP 6 S
444_GP 6 S

Details on catalog page 44

Motor Control
532_ESCON Module 24/2
532_ESCON 36/2 DC