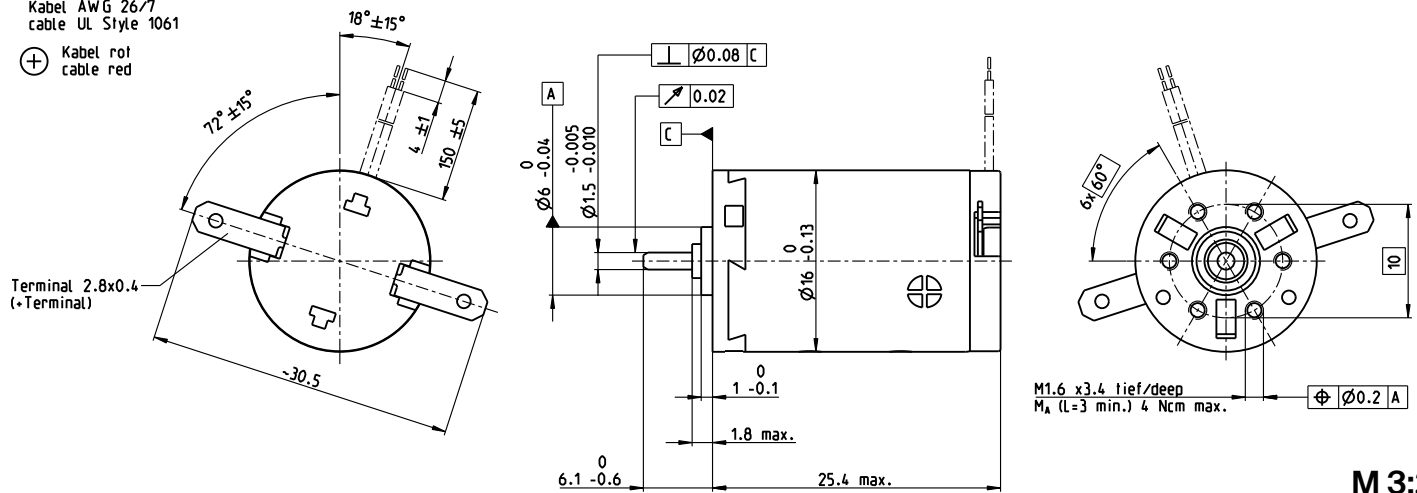


A-max 16 $\varnothing 16$ mm, graphite brushes, 2 watt

Kabel AWG 26/7
cable UL Style 1061

⊕ Kabel rot
cable red

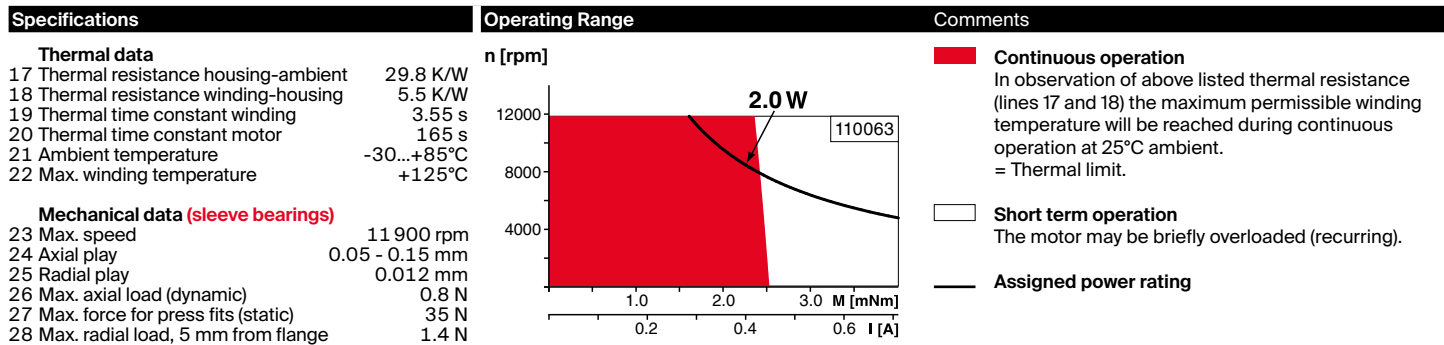


M 3:2

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

| | | Part Numbers | | | | | | | | | |
|----------------|--|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| with terminals | | 110061 | 110062 | 110063 | 110064 | 110065 | 110066 | 110067 | 110068 | 110069 | 110070 |
| with cables | | 139821 | 352853 | 352854 | 352855 | 325083 | 352856 | 205903 | 352857 | 266076 | 352858 |

| Motor Data | | | | | | | | | | | | | |
|---|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| Values at nominal voltage | | | | | | | | | | | | | |
| 1 Nominal voltage | V | 1.5 | 3 | 6 | 9 | 12 | 14 | 15 | 18 | 21 | 30 | | |
| 2 No load speed | rpm | 10200 | 11500 | 9360 | 11500 | 11500 | 11500 | 11000 | 10900 | 11300 | 10500 | | |
| 3 No load current | mA | 282 | 164 | 65.6 | 54.6 | 41 | 35.1 | 31.1 | 25.9 | 23 | 15 | | |
| 4 Nominal speed | rpm | 9010 | 8060 | 3280 | 5510 | 5460 | 5500 | 4860 | 4810 | 5100 | 4180 | | |
| 5 Nominal torque (max. continuous torque) | mNm | 0.579 | 1.29 | 2.42 | 2.36 | 2.34 | 2.35 | 2.35 | 2.33 | 2.28 | 2.24 | | |
| 6 Nominal current (max. continuous current) | A | 0.72 | 0.72 | 0.495 | 0.394 | 0.293 | 0.253 | 0.224 | 0.186 | 0.162 | 0.105 | | |
| 7 Stall torque | mNm | 5.36 | 4.65 | 4.05 | 4.84 | 4.78 | 4.82 | 4.54 | 4.48 | 4.49 | 4.04 | | |
| 8 Stall current | A | 4.1 | 2.03 | 0.727 | 0.704 | 0.521 | 0.451 | 0.378 | 0.311 | 0.276 | 0.164 | | |
| 9 Max. efficiency | % | 54 | 51 | 49 | 52 | 52 | 52 | 51 | 51 | 50 | 48 | | |
| Characteristics | | | | | | | | | | | | | |
| 10 Terminal resistance | Ω | 0.366 | 1.48 | 8.25 | 12.8 | 23 | 31.1 | 39.7 | 57.9 | 76.1 | 183 | | |
| 11 Terminal inductance | mH | 0.017 | 0.052 | 0.306 | 0.467 | 0.83 | 1.13 | 1.42 | 2.05 | 2.61 | 6.01 | | |
| 12 Torque constant | mNm/A | 1.31 | 2.29 | 5.57 | 6.88 | 9.17 | 10.7 | 12 | 14.4 | 16.3 | 24.7 | | |
| 13 Speed constant | rpm/V | 7290 | 4170 | 1720 | 1390 | 1040 | 893 | 795 | 663 | 587 | 387 | | |
| 14 Speed/torque gradient | rpm/mNm | 2040 | 2690 | 2540 | 2580 | 2620 | 2590 | 2630 | 2660 | 2750 | 2880 | | |
| 15 Mechanical time constant | ms | 22.6 | 23.1 | 23.1 | 23.2 | 23.3 | 23.3 | 23.5 | 23.4 | 23.5 | 23.9 | | |
| 16 Rotor inertia | gcm ² | 1.06 | 0.82 | 0.868 | 0.859 | 0.849 | 0.859 | 0.852 | 0.838 | 0.816 | 0.793 | | |

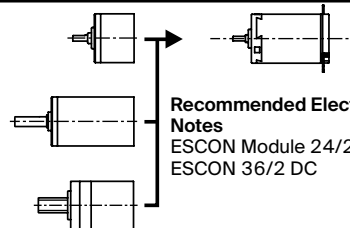


| | |
|--|----------------|
| Mechanical data (ball bearings) | |
| 23 Max. speed | 11 900 rpm |
| 24 Axial play | 0.05 - 0.15 mm |
| 25 Radial play | 0.025 mm |
| 26 Max. axial load (dynamic) | 2.2 N |
| 27 Max. force for press fits (static) | 30 N |
| 28 Max. radial load, 5 mm from flange | 7.8 N |
| Other specifications | |
| 29 Number of pole pairs | 1 |
| 30 Number of commutator segments | 7 |
| 31 Weight of motor | 21 g |

maxon Modular System

Details on catalog page 38

- Spur Gearhead**
 $\varnothing 16$ mm
0.01-0.1 Nm
Page 375-378
- Planetary Gearhead**
 $\varnothing 16$ mm
0.1-0.6 Nm
Page 379/380
- Screw Drive**
 $\varnothing 16$ mm
Page 421-423



Recommended Electronics:
Notes Page 38
 ESCON Module 24/2 500
 ESCON 36/2 DC 500

Values listed in the table are nominal.
Explanation of the figures on page 82.

Option
Ball bearings in place of sleeve bearings