| Engineering data (WIN 1615) | | |
|---|---|---|
| DC bus voltage | 18 | V DC |
| Nominal AC voltage | 12 | V AC (rms) |
| Rated voltage | 10 | V AC (rms) |
| Rated power | 205 | W |
| Rated speed | 4000 | rpm |
| Rated torque | 0.49 | Nm |
| Rated current | 17.51 | A (rms) |
| Peak torque | 2.16 | Nm |
| Peak current | 82.5 | A (rms) |
| Stall torque | 0.54 | Nm |
| Stall current | 17.9 | A (rms) |
| No load speed | 6480 | rpm |
| EMF constant ±10% | 1.82 | V AC (rms) / 1000rpm |
| Theoretical torque constant ±10% | 0.03 | Nm / A (rms) |
| Torque constant ±10% @ rated load | 0.03 | Nm / A (rms) |
| Number of poles | 6 | |
| Electrical time constant | 1.27 | ms |
| Winding terminal resistance | 0.11 | Ω |
| Rotary field terminal inductance | 0.14 | mH |

| Customs info | |
|---|---|
| HS Code | 85015100 |

| Mechanical data (setting 48) | | |
|---|---|---|
| Max mechanical speed | 12000 | rpm |
| Mech. time constant | 1.47 | ms |
| Thermal time constant | 12 | min |
| Rotor inertia | 0.07 | kgcm² |
| Protection | IP64 | |
| Color | RAL 9005 | |
| Cooling | Convection | |
| Motor-only mass | 0.9 | kg |
| Max. axial force 20kh | 40 | N |
| Max. radial force 20kh* | 213 | N |
| Max. axial force 100kh | 24 | N |
| Max. radial force 100kh* | 125 | N |

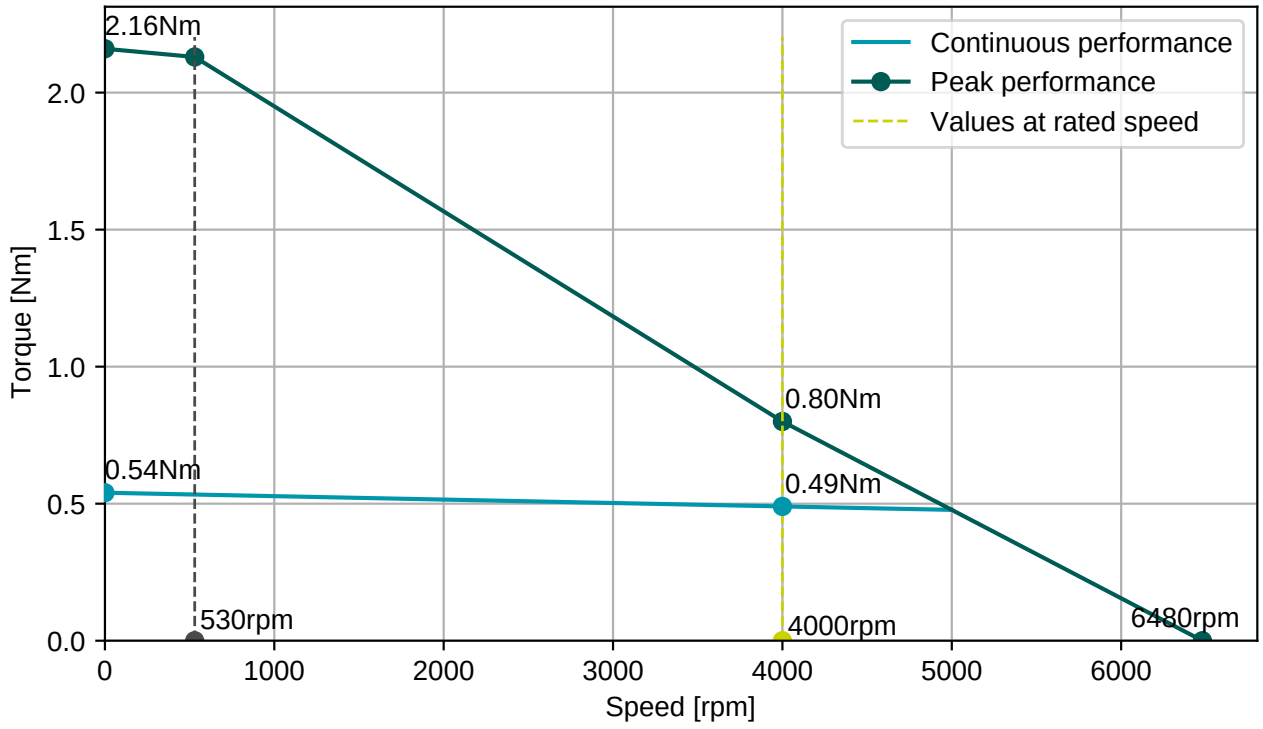
** Defined for point of action at ½ output shaft length*

| Sensors | |
|---|---|
| Temperature | PT1000 {PT1000} |
| Feedback | EEM37 (HDSL) multi-turn, 17+12 bits |

## Note

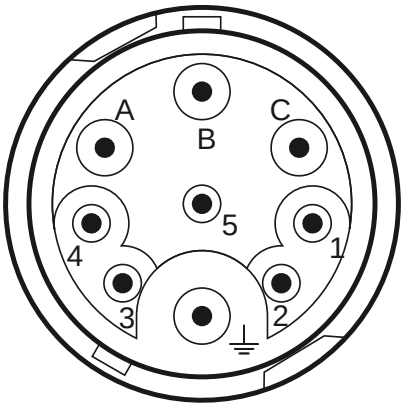
The winding of the motor has rated current 17.51 A. Power connector is rated only for 14 A. The motor can be operated only with continuous current limited to 14 A in servoamplifier. Otherwise the power connector could be burned.

Torque / speed curve

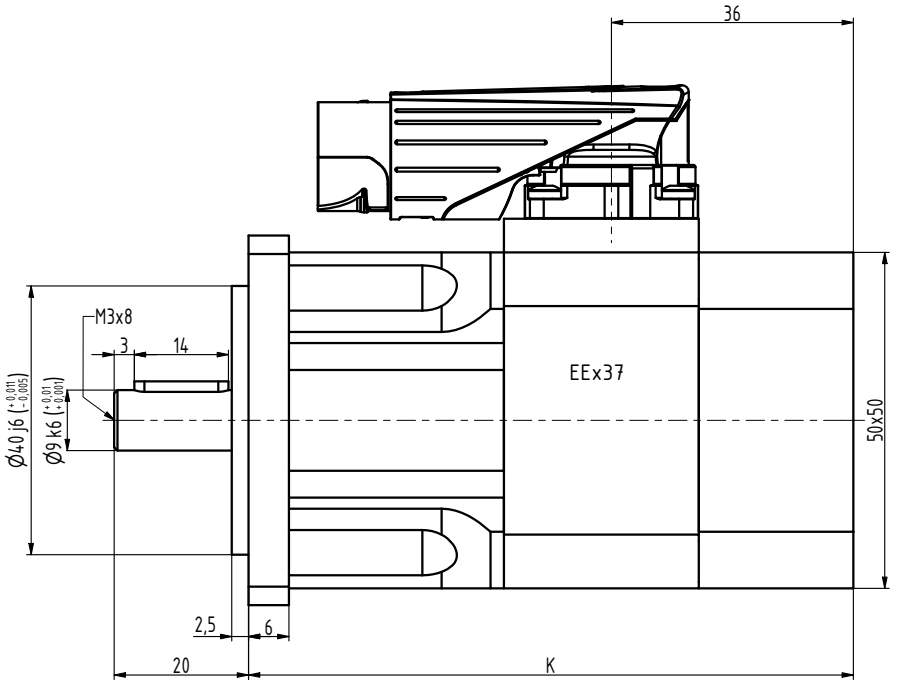


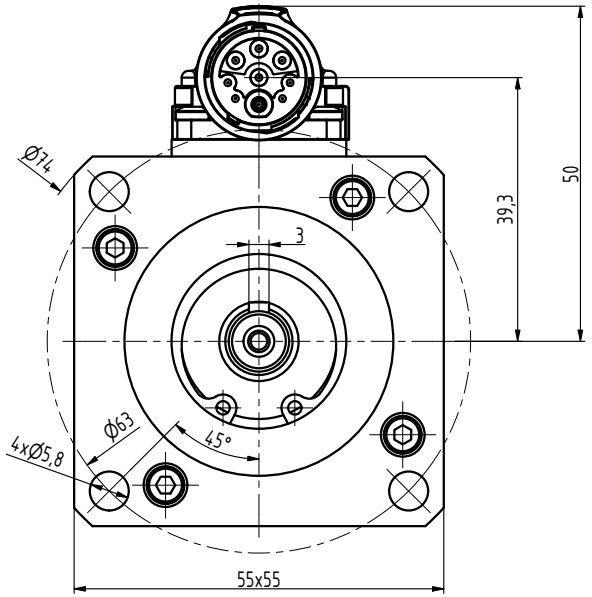

**EGA201N00000800000**

M15, 9 poles, rotary




| Connector 1 (304) | |
|---|---|
| **A** | U |
| **B** | V |
| **C** | W |
| **PE** | PE |
| **1** | Brake+ |
| **2** | Brake- |
| **3** | +Us/DSL+ |
| **4** | GND/DSL- |




| TYP | K |
|---|---|
| N2-0028 | 90 |
| N2-0054 | 105 |
| N2-0075 | 120 |
| N2-0095 | 135 |
| N2-0112 | 150 |

| INDEX | ZMĚNA | DATUM | PODPIS | | |
|---|---|---|---|---|---|
| ZN.MAT. | | | T.O. | HMOTNOST kg | MĚŘ. |
| ROZM.-POLOT. | | | | | |
| POM. ZAŘ. | | | | ČSN | TŘ.Č. |
| VYPR. Ošlejšek | | NORM.REF. | | POZN. | Č. KUSOVNÍKU |
| PŘEKR. | | | | | |
| TECHNOL. | | SCHVÁLIL Ošlejšek | 04.03.2020 | STARÝ V. | Č.V. |
| NÁZEV | Motor N2 | | | N2068 05 P Z | |
| | | | | Listů | List |