| Engineering data (WIN 1289) | | |
|---|---|---|
| DC bus voltage | 24 | V DC |
| Nominal AC voltage | 15 | V AC (rms) |
| Rated voltage | 14 | V AC (rms) |
| Rated power | 170 | W |
| Rated speed | 6000 | rpm |
| Rated torque | 0.27 | Nm |
| Rated current | 8.85 | A (rms) |
| Peak torque | 1.2 | Nm |
| Peak current | 40.6 | A (rms) |
| Stall torque | 0.3 | Nm |
| Stall current | 9.4 | A (rms) |
| No load speed | 7760 | rpm |
| EMF constant ±10% | 1.9 | V AC (rms) / 1000rpm |
| Theoretical torque constant ±10% | 0.032 | Nm / A (rms) |
| Torque constant ±10% @ rated load | 0.031 | Nm / A (rms) |
| Number of poles | 6 | |
| Electrical time constant | 0.42 | ms |
| Winding terminal resistance | 0.216 | Ω |
| Rotary field terminal inductance | 0.09 | mH |

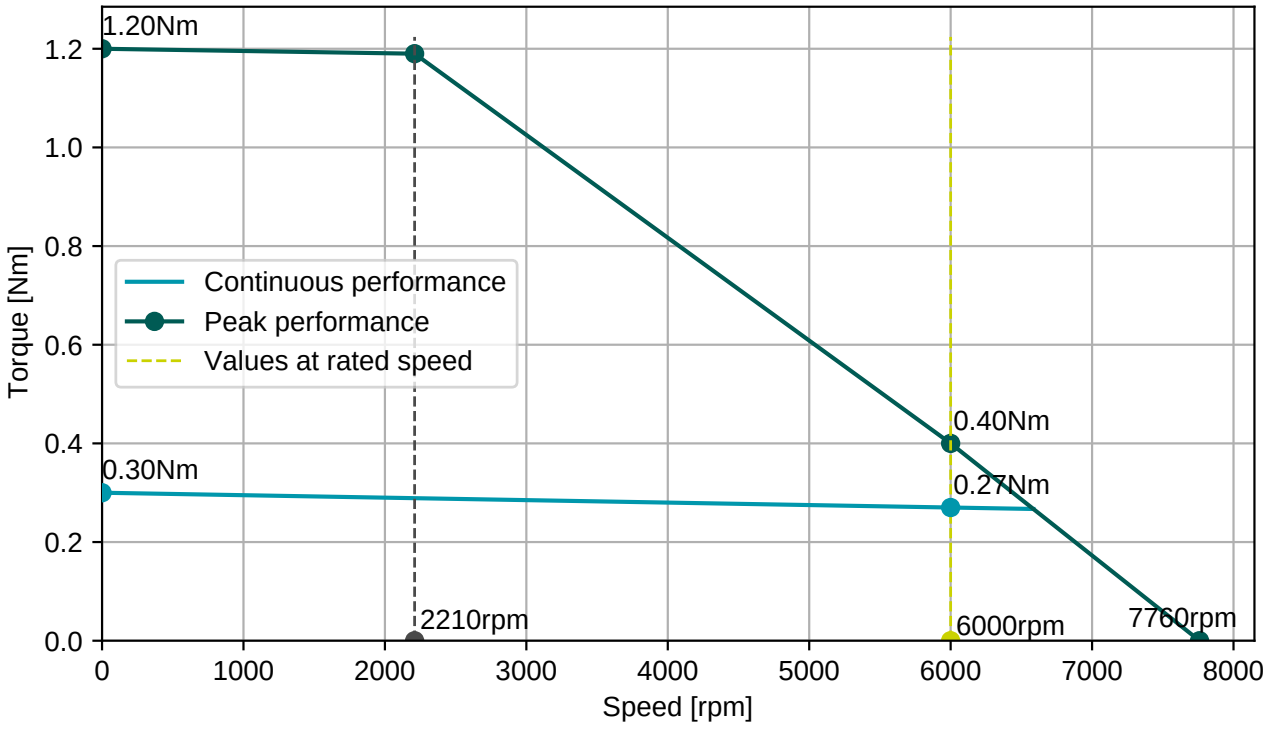
| Customs info | |
|---|---|
| HS Code | 85015100 |

| Mechanical data (setting 5) | | |
|---|---|---|
| Max mechanical speed | 12000 | rpm |
| Mech. time constant | 2.65 | ms |
| Thermal time constant | 22 | min |
| Rotor inertia | 0.07 | kgcm² |
| Protection | IP64 | |
| Color | RAL 9005 | |
| Cooling | Convection | |
| Motor-only mass | 0.66 | kg |

| Sensors | |
|---|---|
| Temperature | PTC 111-K13 {PTC 111-K13 Reissmann} |
| Feedback | 2-pole resolver size 10 |

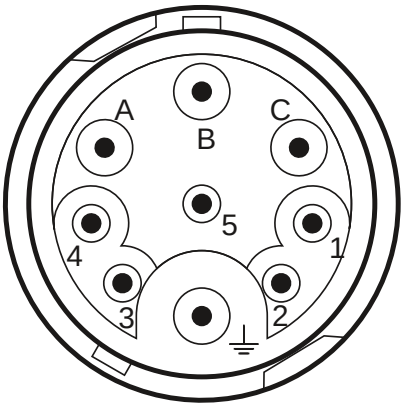
| Brake | | |
|---|---|---|
| Braking torque | 0.40 | Nm |
| Voltage | 24 | V DC |
| Power @20°C | 8.0 | W |
| Current @20°C | 0.33 | A |
| Inertia | 0.02 | kgcm² |
| Mass | 0.10 | kg |

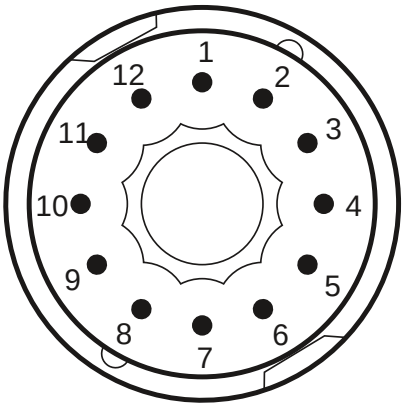
Torque / speed curve




**EGA101N00000001000**

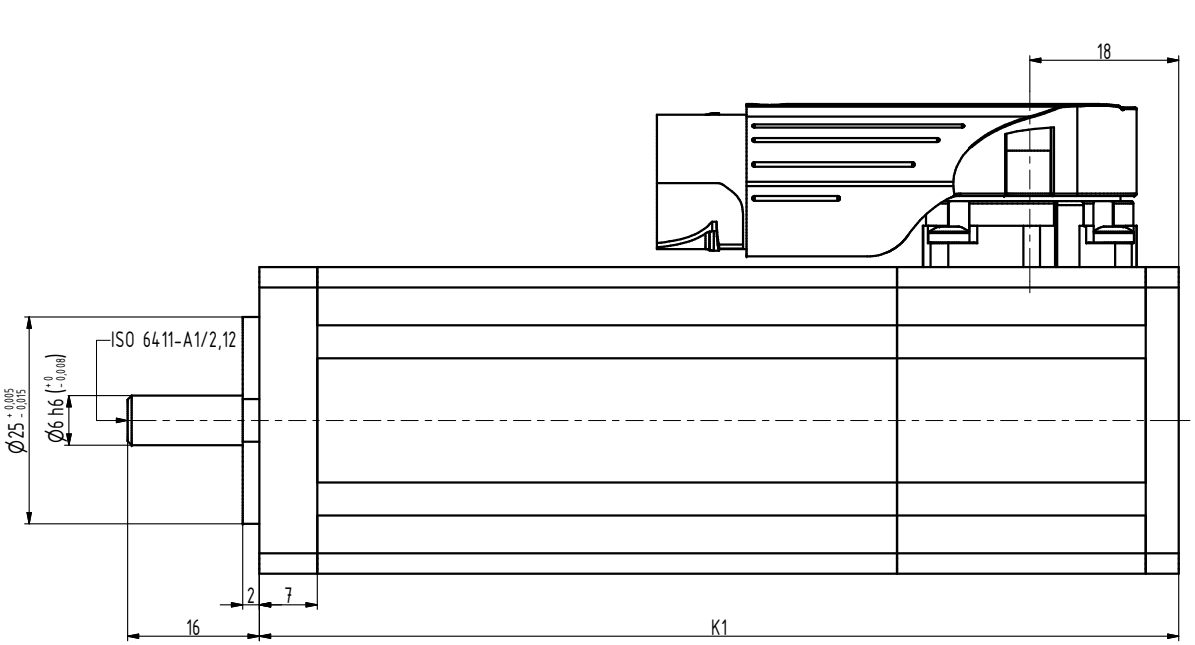
2x M15, 9 and 12 poles rotary

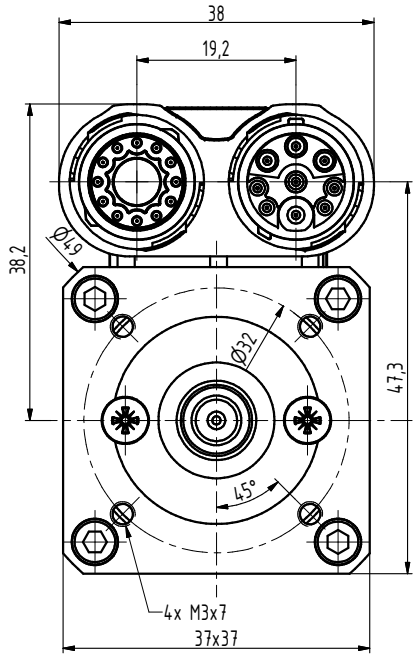


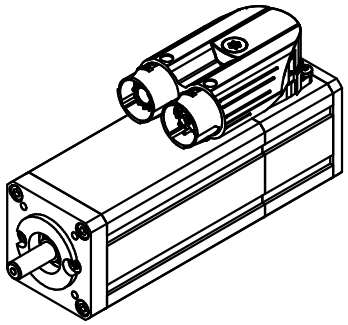




| Connector 1 (226) | |
|---|---|
| **A** | U |
| **B** | V |
| **C** | W |
| **PE** | PE |
| **1** | Brake+ |
| **2** | Brake- |

| Connector 2 (227) | |
|---|---|
| **2** | Therm+ |
| **3** | S4 |
| **4** | S3 |
| **5** | R2 |
| **6** | Therm- |
| **7** | S2 |
| **8** | S1 |
| **9** | R1 |



| TYP | A | K1 |
|---|---|---|
| S1-0010 | 15 | 111 |
| S1-0020 | 30 | 126 |
| S1-0030 | 45 | 141 |

| 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 | 22.4.2016 | STARÝ V. | Č.V. | |
| NÁZEV: Motor S1 | | | S1018 00 B Z | | |
| | | | Listů | List | |