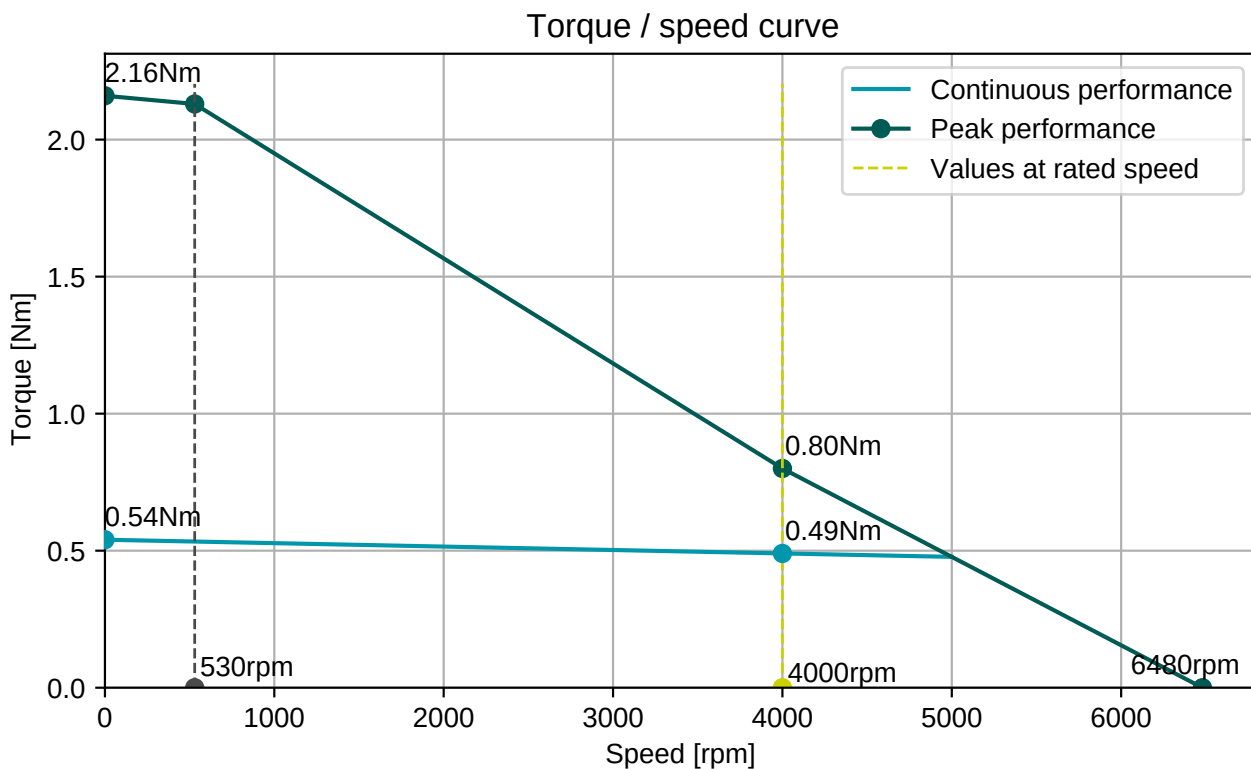
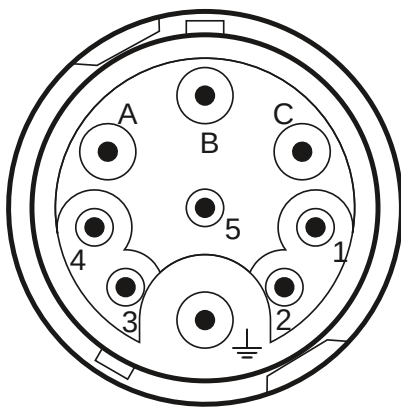


| Engineering data (WIN 1615)          |                              | Mechanical data (setting 48)                                                                                                                                                                                                         |                                        |
|--------------------------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| DC bus voltage                       | 18 V DC                      | Max mechanical speed                                                                                                                                                                                                                 | 12000 rpm                              |
| Nominal AC voltage                   | 12 V AC (rms)                | Mech. time constant                                                                                                                                                                                                                  | 1.47 ms                                |
| Rated voltage                        | 10 V AC (rms)                | Thermal time constant                                                                                                                                                                                                                | 12 min                                 |
| Rated power                          | 205 W                        | Rotor inertia                                                                                                                                                                                                                        | 0.07 kgcm <sup>2</sup>                 |
| Rated speed                          | 4000 rpm                     | Protection                                                                                                                                                                                                                           | IP64                                   |
| Rated torque                         | 0.49 Nm                      | Color                                                                                                                                                                                                                                | RAL 9005                               |
| Rated current                        | 17.51 A (rms)                | Cooling                                                                                                                                                                                                                              | Convection                             |
| Peak torque                          | 2.16 Nm                      | Motor-only mass                                                                                                                                                                                                                      | 0.9 kg                                 |
| Peak current                         | 82.5 A (rms)                 | Max. axial force 20kh                                                                                                                                                                                                                | 40 N                                   |
| Stall torque                         | 0.54 Nm                      | Max. radial force 20kh                                                                                                                                                                                                               | 213 N*                                 |
| Stall current                        | 17.9 A (rms)                 | Max. axial force 100kh                                                                                                                                                                                                               | 24 N                                   |
| No load speed                        | 6480 rpm                     | Max. radial force 100kh                                                                                                                                                                                                              | 125 N*                                 |
| EMF constant ±10%                    | 1.82 V AC (rms)<br>/ 1000rpm | <i>* Defined for point of action at ½ output shaft length</i>                                                                                                                                                                        |                                        |
| Theoretical torque constant ±10%     | 0.03 Nm / A<br>(rms)         |                                                                                                                                                                                                                                      |                                        |
| Torque constant ±10%<br>@ rated load | 0.03 Nm / A<br>(rms)         |                                                                                                                                                                                                                                      |                                        |
| Number of poles                      | 6                            | <b>Sensors</b>                                                                                                                                                                                                                       |                                        |
| Electrical time constant             | 1.27 ms                      | Temperature                                                                                                                                                                                                                          | PT1000 {PT1000}                        |
| Winding terminal resistance          | 0.11 Ω                       | Feedback                                                                                                                                                                                                                             | EEM37 (HDSL) multi-turn,<br>17+12 bits |
| Rotary field terminal inductance     | 0.14 mH                      | <b>Note</b>                                                                                                                                                                                                                          |                                        |
| <b>Customs info</b>                  |                              | 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. |                                        |
| HS Code                              | 85015100                     |                                                                                                                                                                                                                                      |                                        |


**EGA201N00000800000**

M15, 9 poles, rotary


**Connector 1 (304)**

|           |          |
|-----------|----------|
| <b>A</b>  | U        |
| <b>B</b>  | V        |
| <b>C</b>  | W        |
| <b>PE</b> | PE       |
| <b>1</b>  | Brake+   |
| <b>2</b>  | Brake-   |
| <b>3</b>  | +Us/DSL+ |
| <b>4</b>  | GND/DSL- |

