| Engineering data (WIN 1439) | | |
|---|---|---|
| DC bus voltage | 320 | V DC |
| Nominal AC voltage | 220 | V AC (rms) |
| Rated voltage | 165 | V AC (rms) |
| Rated power | 490 | W |
| Rated speed | 6000 | rpm |
| Rated torque | 0.78 | Nm |
| Rated current | 2.06 | A (rms) |
| Peak torque | 4.94 | Nm |
| Peak current | 13.5 | A (rms) |
| Stall torque | 1.3 | Nm |
| Stall current | 2.86 | A (rms) |
| No load speed | 7970 | rpm |
| EMF constant ±10% | 27.5 | V AC (rms) / 1000rpm |
| Theoretical torque constant ±10% | 0.455 | Nm / A (rms) |
| Torque constant ±10% @ rated load | 0.379 | Nm / A (rms) |
| Number of poles | 10 | |
| Electrical time constant | 1.34 | ms |
| Winding terminal resistance | 3.99 | Ω |
| Rotary field terminal inductance | 5.35 | mH |

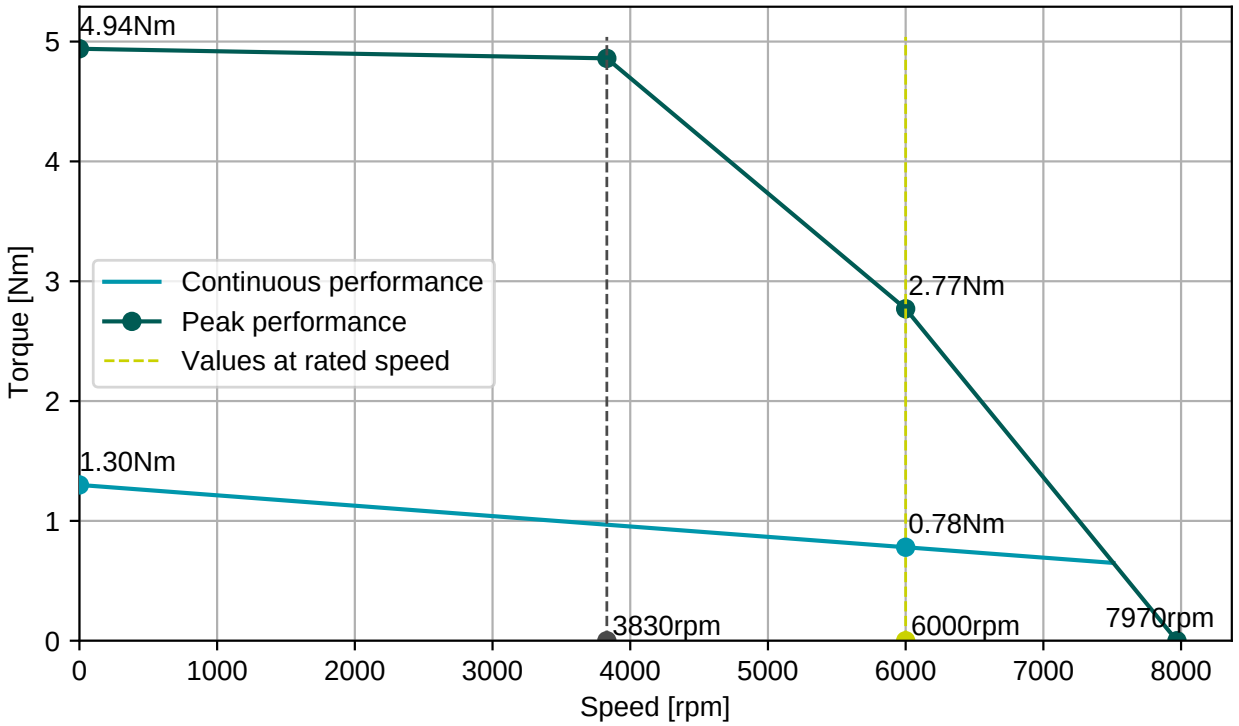
| Customs info | |
|---|---|
| HS Code | 85015100 |

| Mechanical data (setting 48) | | |
|---|---|---|
| Max mechanical speed | 12000 | rpm |
| Mech. time constant | 1.67 | ms |
| Thermal time constant | 24 | min |
| Rotor inertia | 0.5 | kgcm² |
| Protection | IP64 | |
| Color | RAL 9005 | |
| Cooling | Convection | |
| Motor-only mass | 1.6 | kg |
| Max. axial force 20kh | 43 | N |
| Max. radial force 20kh* | 225 | N |
| Max. axial force 100kh | 25 | N |
| Max. radial force 100kh* | 131 | N |

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

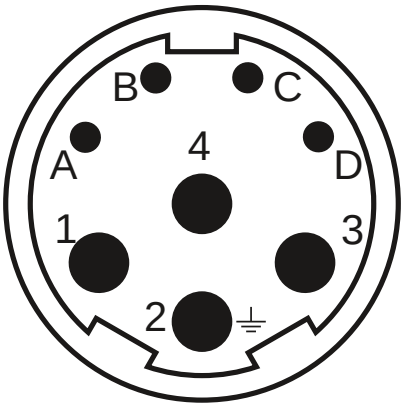
| Sensors | |
|---|---|
| Temperature | PT1000 {PT1000} |
| Feedback | EKS36 (HDSL) single-turn, 18 bits, SIL2 |

Torque / speed curve

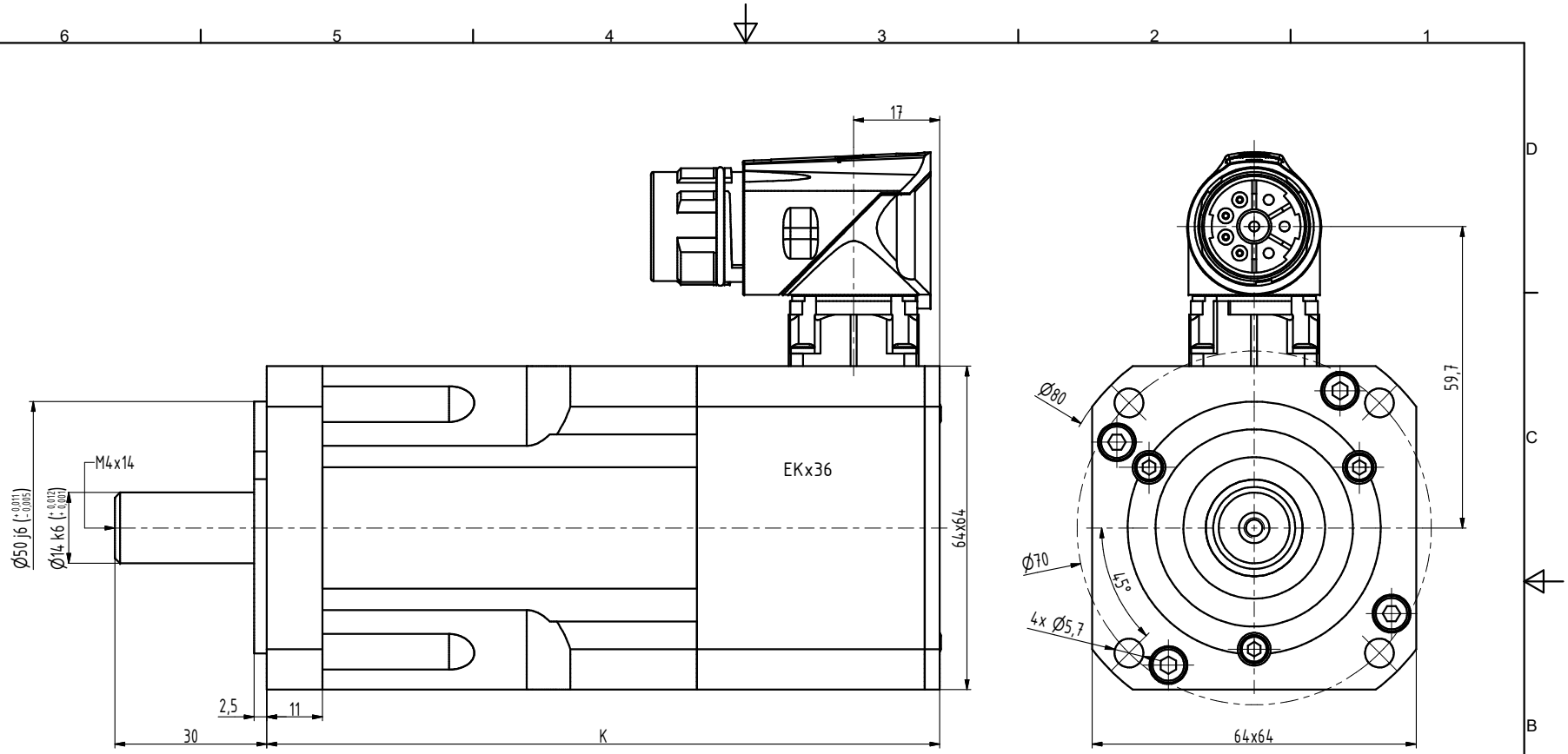



**BGC110N00001216000**

M23, 8 poles, rotary




| Connector 1 (283) | |
|---|---|
| **1** | U |
| **4** | V |
| **3** | W |
| **2** | PE |
| **A** | Brake+ |
| **B** | Brake- |
| **C** | GND/DSL- |
| **D** | +Us/DSL+ |




| TYP | K |
|---|---|
| MA-0075 | 115 |
| MA-0130 | 133 |
| MA-0175 | 151 |
| MA-0220 | 169 |
| MA-0300 | 205 |

| 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 | 13.11.2020 | STARÝ V. | Č.V. | |

NÁZEV

Motor MA

MA001 04 Z

Listů List