| Engineering data (WIN 1156) | | |
|---|---|---|
| DC bus voltage | 560 | V DC |
| Nominal AC voltage | 380 | V AC (rms) |
| Rated voltage | 264 | V AC (rms) |
| Rated power | 1.3 | kW |
| Rated speed | 5000 | rpm |
| Rated torque | 2.40 | Nm |
| Rated current | 4.22 | A (rms) |
| Peak torque | 10.2 | Nm |
| Peak current | 18.9 | A (rms) |
| Stall torque | 3.4 | Nm |
| Stall current | 4.15 | A (rms) |
| No load speed | 7600 | rpm |
| EMF constant ±10% | 49.5 | V AC (rms) / 1000rpm |
| Theoretical torque constant ±10% | 0.82 | Nm / A (rms) |
| Torque constant ±10% @ rated load | 0.57 | Nm / A (rms) |
| Number of poles | 10 | |
| Electrical time constant | 4.63 | ms |
| Winding terminal resistance | 2.57 | Ω |
| Rotary field terminal inductance | 11.9 | mH |

| Customs info | |
|---|---|
| HS Code | 85015220 |

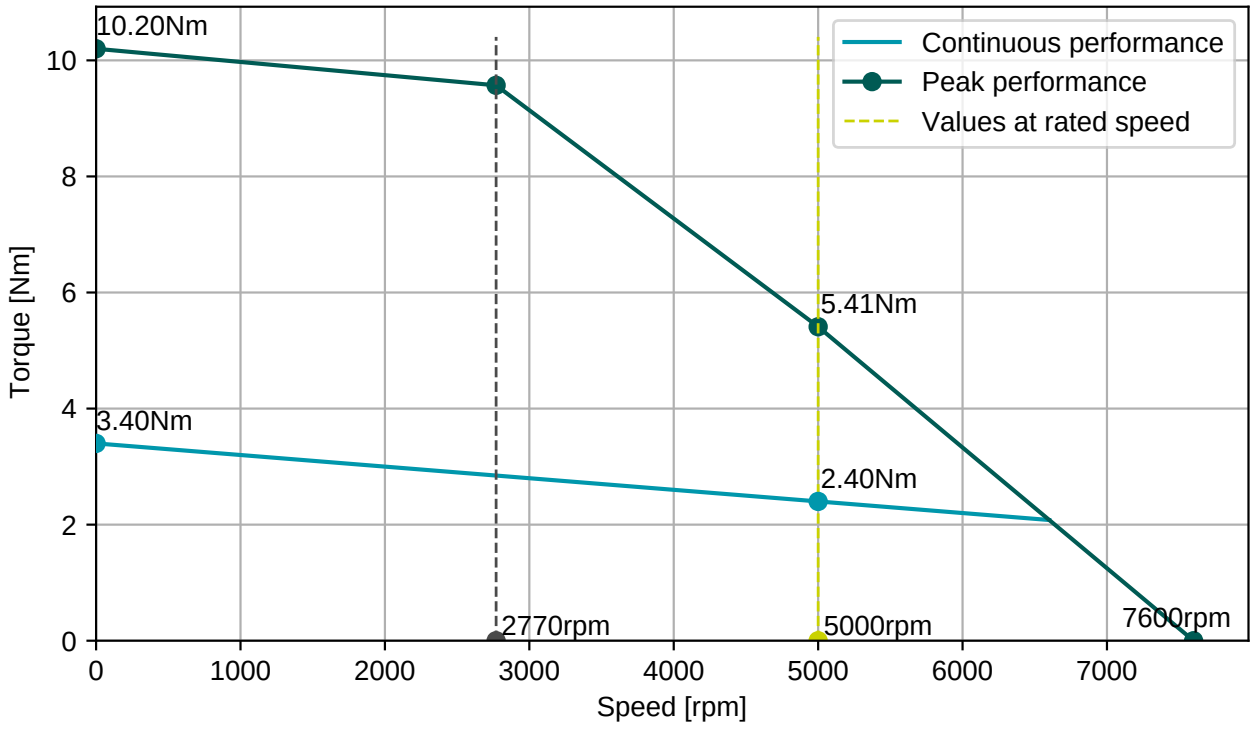
| Mechanical data (setting 29) | | |
|---|---|---|
| Max mechanical speed | 9000 | rpm |
| Mech. time constant | 1.35 | ms |
| Thermal time constant | 25 | min |
| Rotor inertia | 2.04 | kgcm² |
| Protection | IP64 | |
| Color | RAL 9005 | |
| Cooling | Convection | |
| Motor-only mass | 4 | kg |
| Max. axial force 20kh | 58 | N |
| Max. radial force 20kh* | 304 | N |
| Max. axial force 100kh | 34 | N |
| Max. radial force 100kh* | 178 | N |

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

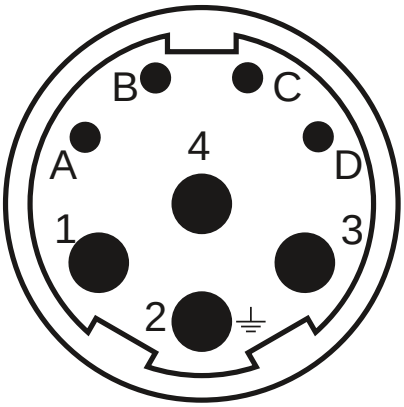
| Sensors | |
|---|---|
| Temperature | PT1000 {PT1000} |
| Feedback | EQI1131 (EnDat 2.2) multi-turn, 19 + 12 bits |

| Brake | | |
|---|---|---|
| Braking torque | 9.00 | Nm |
| Voltage | 24 | V DC |
| Power @20°C | 18.0 | W |
| Current @20°C | 0.75 | A |
| Inertia | 0.60 | kgcm² |
| Mass | 0.82 | kg |

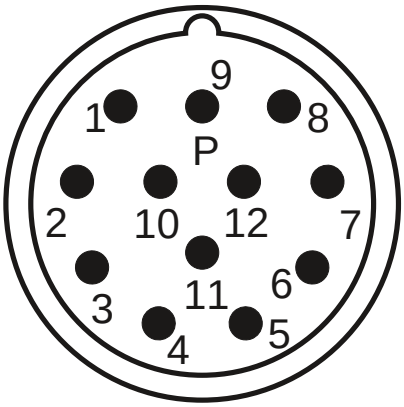
## Torque / speed curve




**BGC110N00001216000**
M23, 8 poles, rotary

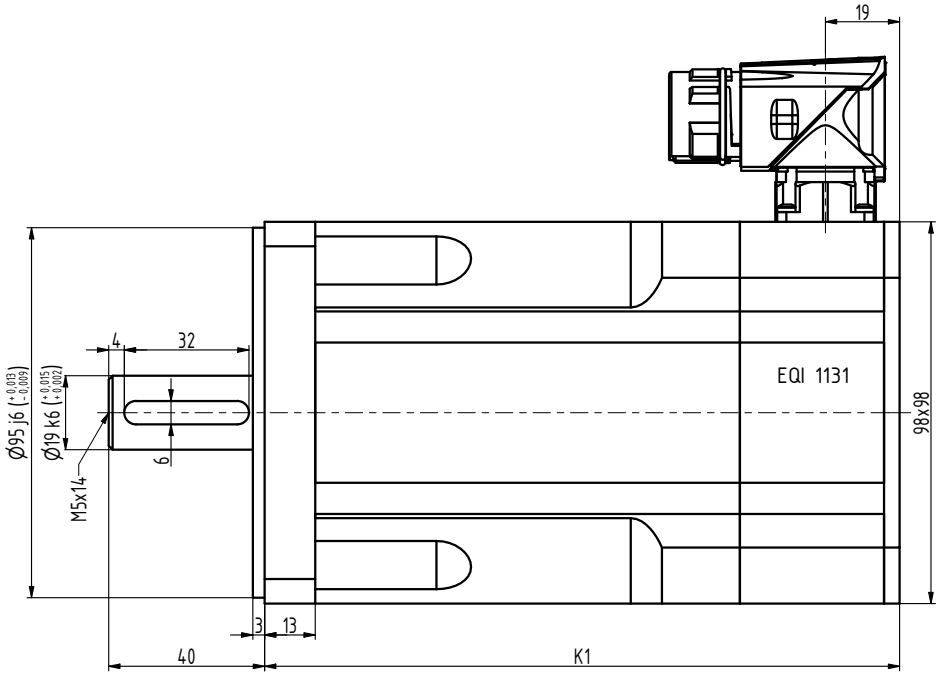


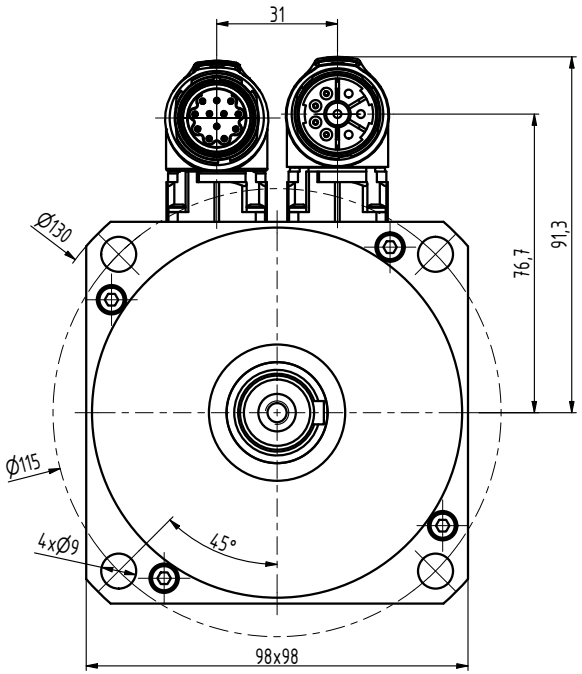

**AGC052N00001215000**
M23, 12 poles, rotary




| Connector 1 (9) | |
|---|---|
| **1** | U |
| **4** | V |
| **3** | W |
| **2** | PE |
| **A** | Brake+ |
| **B** | Brake- |
| **C** | |
| **D** | |

| Connector 2 (293) | |
|---|---|
| **1** | Vcc (+5V) |
| **2** | GND |
| **3** | DATA |
| **4** | DATA- |
| **5** | CLOCK |
| **6** | CLOCK- |
| **7** | Therm+ |
| **8** | Therm- |
| **9** | Vcc sensor |
| **10** | GND sensor |




| TYP | K1 |
|---|---|
| N4-0340 | 148 |
| N4-0510 | 163 |
| N4-0750 | 193 |
| N4-0960 | 223 |
| N4-1130 | 253 |

| 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 | 22.07.2021 | STARÝ V. | Č.V. |

NÁZEV

Motor N4

N4163 01 BP Z_S4_S1

Listů List