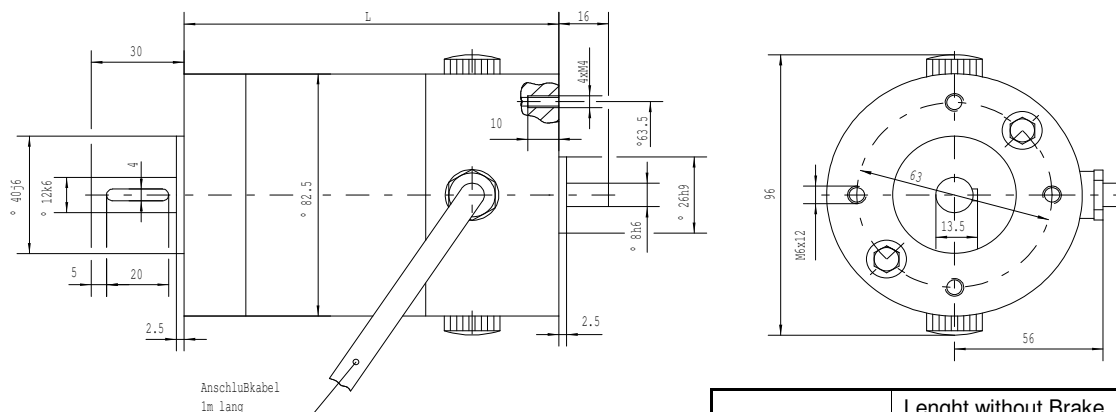


Technical Data

| Typ | Type | Type | | GM 82 K | GM 82 M | GM 82 L |
|-------------------------|-----------------------|-------------------------|------------------------------------|---------|---------|---------|
| Nennleistung (S1-Betr.) | Power rated (S1) | Puissance nominale (S1) | W | 130 | 200 | 240 |
| Nennspannung | Rated voltage | Tension nominale | V | 50 | 50 | 50 |
| Nenn Drehmoment | Rated torque | Couple nominale | Nm | 0.42 | 0.64 | 0.75 |
| Spitzendrehmoment | Peak torque | Couple cretre | Nm | 1.22 | 1.92 | 2.25 |
| Nenn Drehzahl | Rated speed | Vitesse nominale | min ⁻¹ | 3000 | 3000 | 3000 |
| Max. Drehzahl | Max. speed | Vitesse maxi | min ⁻¹ | 4000 | 4000 | 4000 |
| Nennstrom | Rated current | Courant nominale | A | 4.0 | 5.8 | 6.5 |
| Spitzenstrom | Peak current | Courant maxi | A | 12.0 | 17.4 | 19.5 |
| Spannungskonstante | Voltage constant | Constante de tension | V/1000min ⁻¹ | 13.9 | 14.2 | 14.6 |
| Drehmomentkonstante | Torque constant | Constante de couple | Nm/A | 0.1125 | 0.1224 | 0.1261 |
| Elektr. Zeitkonstante | Electr. time constant | Const. de temps electr. | ms | 3.60 | 3.60 | 4.0 |
| Mech. Zeitkonstante | Mech. time constant | Const. de temps mec. | ms | 30.8 | 24.0 | 21.0 |
| Therm. Zeitkonstante | Therm. time constant | Const. de temps therm. | min | 29 | 39 | 47 |
| Ankerträgheitsmoment | Rotor inertia moment | Inertie rotor | Kgm ² x10 ⁻³ | 0.20 | 0.27 | 0.34 |
| Ankerinduktivität | Armature inductance | Inducatance rotor | mH | 7.0 | 4.9 | 4.0 |
| Ankerwiderstand | Armature resistance | Resistance rotor | Ohm | 1.55 | 1.0 | 0.7 |
| Anschlusswiderstand | Connection resistance | Resistance aux bornes | Ohm | 1.95 | 1.30 | 0.98 |
| Bremsspannung | Brake rated voltage | Frein tension nominale | VDC | 24 | 24 | 24 |
| Bremsmoment | Brake tourque | Couple de maintien | Nm | 1.5 | 1.5 | 1.5 |
| Gewicht ohne Bremse | Weight without brake | Poidds sains frein | Kg | 2.8 | 3.5 | 4.0 |
| Gewicht mit Bremse | Weight with brake | Poidds avec frein | Kg | 3.1 | 3.8 | 4.3 |

Drawing

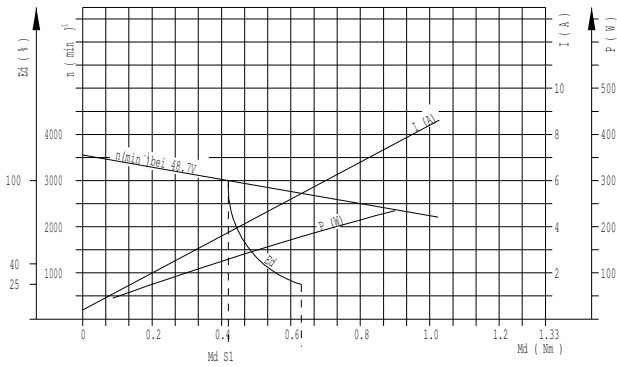


Voltage supply and control of the brake via separate connection cable.

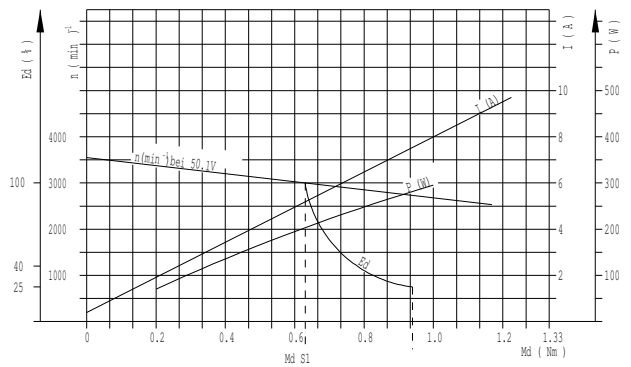
| | Lenght without Brake | Lenght with Brake |
|---------|----------------------|-------------------|
| GM 82 K | 142.5 | 188 |
| GM 82 M | 167.5 | 213 |
| GM 82 L | 187.5 | 233 |

Speed-Torque Characteristic

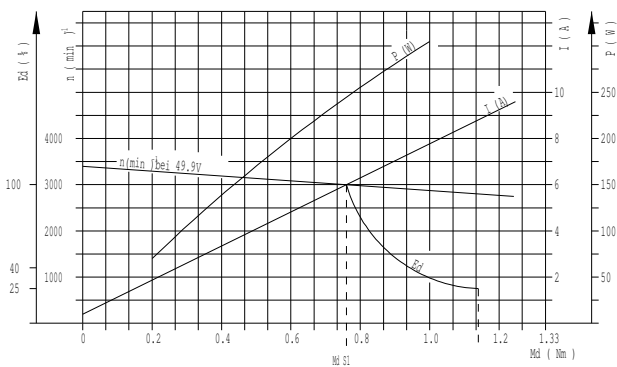
GM 82 K



GM 82 M



GM 82 L



Remark

All tolerances of the technical data are given according to VDE 0530. For all figures not given according to VDE 0530 there is a tolerance of $\pm 10\%$. With versions built to protection class IP54, a minimal lower torque can be expected due to the installation of shaft packing which causes increased friction.

The technical data given in the table and performance curve refer to a direct-current supply with a valid harmonic content of up to 5%.

The data applies to application in an ambient temperature from 0 to 40 degree Celsius.

This temperature range must not be undershot nor exceeded; otherwise an irreversible debilitation of the magnet might be possible.

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