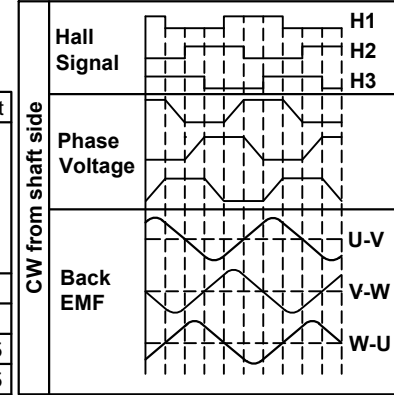
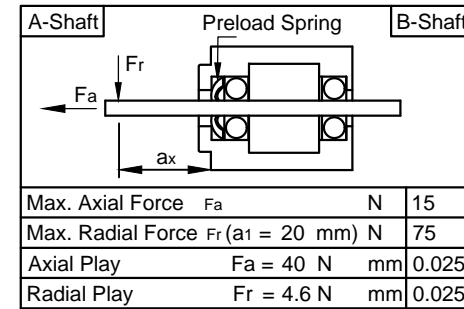


MOTOR SPECIFICATION

| | | |
|--------------------------------|------------------------|------------------------|
| No. of Poles | | 6 |
| Rated Voltage | V DC | 24 |
| Current - Rated / Peak | A | 9.4 / 28 |
| Resistance Line to Line | ±10% Ω | 0.22 |
| Inductance Line to Line (1kHz) | ±20% mH | 0.29 |
| Torque - Rated / Peak | Nm | 0.47 / 1.41 |
| Torque Constant | Nm/A | 0.05 |
| Back-EMF Constant | V _{rms} /krpm | 3.8 |
| Rated Power | W | 172 |
| Speed - No Load / Rated | ±10% rpm | 4500 / 3500 |
| Rotor Inertia | kg m ² | 11.9 x10 ⁻⁶ |

WIRING DIAGRAM

| | Colour | Function | Lead Gauge |
|---------------------------------|--------|----------|-----------------|
| Motor | Ye | U | UL1332 AWG18 |
| | Rd | V | |
| | Bk | W | |
| Hall 18 Impl. per Rev. | Rd | +5V | UL1430 AWG26 |
| | Bu | H1 | |
| | Gn | H2 | |
| | Wh | H3 | |
| | Bk | GND | |



GENERAL MOTOR SPECIFICATION

| | | |
|--|------|------------|
| Ambient Temperature | °C | -10 ... 50 |
| Max. Temperature Rise (at standstill) | °C | 80 |
| Max. Ambient Humidity (non condensing) | % | 85 |
| Insulation Class | | B |
| Insulation Resistance | MΩ | 100 |
| Dielectric Strength (for 1 min - coil to case) | V AC | 500 |

| ISO 8015 | ISO 1302 | ISO 2768 cK | ISO 13715 |
|----------|-------------------------|-------------|------------|
| | | Date | Name |
| | | Drawn | 04.12.2017 |
| | | Checked | 06.12.2018 |
| | | Approved | 11.12.2018 |
| 02 | change depth screw M2.5 | Schneid_A | 11.12.2018 |
| REV | Rev. Text | Name | Rel. Date |

| | |
|-----------------------|---------|
| Weight: 0.72 kg | |
| DB59L024035-B3 | |
| 03000100 | - |
| State: Released | Rev: 02 |
| P | |

