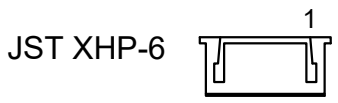
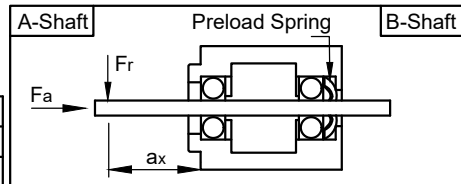


| MOTOR SPECIFICATION | | CONNECTION | |
|------------------------------|-------------------|------------|-------------------|
| | | UNIPOLAR | SERIES |
| Voltage | V DC | 4.37 | |
| Current per Winding | A | 0.95 | 0.67 |
| Resistance per Phase (25°C) | ±15% Ω | 4.6 | 9.2 |
| Inductance per Phase (1 kHz) | ±20% mH | 1.8 | 7.2 |
| Holding Torque | Nm | 0.09 | 0.127 |
| Step Angle | ±5% ° | 1.8 | |
| Rotor Inertia | kg m ² | 1.8 | x10 ⁻⁶ |



| TYPE OF CONNECTION | | | | |
|--------------------|--------|---------|-----------|---------|
| Unipolar | Series | Pin No. | Wire Col. | Winding |
| A | A | 1 | BK | A |
| COM | | 5 | YE | COM |
| A\ | A\ | 3 | GN | A\ |
| B | B | 2 | RD | B |
| COM | | 6 | WH | COM |
| B\ | B\ | 4 | BU | B\ |



| | | | |
|-------------------|-----------------|----|-------|
| Max. Axial Force | Fa | N | 7 |
| Max. Radial Force | Fr (a1 = 5 mm) | N | 58 |
| Max. Radial Force | Fr (a2 = 20 mm) | N | 20 |
| Axial Play | Fa = 10 N | mm | 0.075 |
| Radial Play | Fr = 5.0 N | mm | 0.025 |

| GENERAL MOTOR SPECIFICATION | | |
|--|------|------------|
| Ambient Temperature | °C | -10 ... 50 |
| Max. Temperature Rise (at standstill - 2 phases energized) | °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 |
| | | | Reviewed |
| | | | Released |
| 05 | modified prod. process | Schneid_A | 06.12.2023 |
| REV | Rev. Text | Name | Date |

| | | |
|---------------------------------------|---------|----------------------|
| Replacement for drawing from 06.06.06 | | Weight: ±10% 0.25 kg |
| ST2818L1006-B | | |
| 20002181 | | A4 Page 1 |
| State: Released | Rev: 05 | CONFIDENTIAL |

