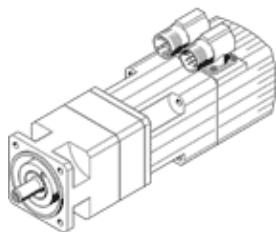


Servo motor MTR-AC-70-3S-GB

Part number: 526730

FESTO

With gearbox and brake.



Data sheet

| Feature | Value |
|--|-------------------------------------|
| Torsional backlash | ≤ 0.05 deg |
| Type of gear unit | Planetary gear unit |
| Gear unit ratio | 4:1 |
| Rotor position sensor | Resolver |
| Temperature monitoring | PTC resistor |
| Nominal output speed gear unit for 50% ED | 862 1/min |
| Nominal output speed gear unit for 100% ED | 675 1/min |
| Max. speed | 11,640 1/min |
| Nominal rotary speed | 6,250 1/min |
| Operating voltage DC for brake | 24 V |
| Continuous open-circuit current | 5.07 A |
| Insulation protection class | F |
| Power consumption, brake | 11 W |
| Motor constant | 0.32 Nm/A |
| Nominal motor power | 913 W |
| Nominal voltage DC | 325 V |
| Nominal motor current | 4.3 A |
| Peak current | 10 A |
| CE mark (see declaration of conformity) | to EU directive low-voltage devices |
| Storage temperature | -10 ... 60 °C |
| Relative air humidity | Max. 90% |
| Protection class | IP54 |
| Ambient temperature | -40 ... 40 °C |
| Authorisation | c UL us - Recognized (OL) |
| Overall mass moment of inertia at power take-off | 8.2 kgcm ² |
| Gear-unit output torque | 5.5 Nm |
| Gear unit efficiency | 0.98 |
| Brake holding torque | 1.5 Nm |
| Mass moment of inertia of brake | 0.1 kgcm ² |
| Mass moment of inertia of gear unit | 0.2 kgcm ² |
| Mass moment of inertia of rotor | 0.4 kgcm ² |
| Nominal torque | 1.4 Nm |
| Peak torque | 3.1 Nm |
| Standstill torque | 1.64 Nm |
| Torsional resistance | ≤ 2.3 Nm/arc |
| Permissible axial shaft load | 4,000 N |
| Permissible radial shaft load | 1,200 N |
| Product weight | 5,200 g |
| Electrical connector system | Plug |