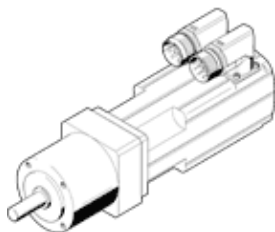


Servomotor MTR-AC-55-3S-GB

Part number: 526726

FESTO

With gearbox and brake.



Data sheet

| Feature | Value |
|--|---------------------------------------|
| Torsional backlash | ≤ 0.33 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 | 1,125 1/min |
| Nominal output speed gear unit for 100% ED | 1,100 1/min |
| Max. speed | 8,090 1/min |
| Nominal rotary speed | 6,800 1/min |
| Operating voltage DC for brake | 24 V |
| Continuous open-circuit current | 2.15 A |
| Insulation protection class | F |
| Power consumption, brake | 11 W |
| Motor constant | 0.457 Nm/A |
| Nominal motor power | 468 W |
| Nominal voltage DC | 325 V |
| Nominal motor current | 1.4 A |
| Peak current | 6.4 A |
| CE symbol (see declaration of conformity) | according to EU low voltage guideline |
| Storage temperature | -10 ... 60 °C |
| Relative air humidity | Max. 90% |
| Protection class | IP43 |
| Ambient temperature | -40 ... 40 °C |
| Authorization | c UL us - Recognized (OL) |
| Overall mass moment of inertia at power take-off | 4.253 kgcm ² |
| Gear-unit output torque | 2.5 Nm |
| Gear unit efficiency | 0.95 |
| Brake holding torque | 0.9 Nm |
| Mass moment of inertia of brake | 0.06 kgcm ² |
| Mass moment of inertia of gear unit | 0.093 kgcm ² |
| Mass moment of inertia of rotor | 0.2 kgcm ² |
| Nominal torque | 0.66 Nm |
| Peak torque | 2.8 Nm |
| Standstill torque | 0.98 Nm |
| Torsional resistance | ≤ 1.5 Nm/arc |
| Permissible axial shaft load | 600 N |
| Permissible radial shaft load | 500 N |
| Product weight | 2,600 g |
| Electrical connector system | Plug |