

Servomotor EMMS-AS-70-M-HS-RR

Part number: 1550980

FESTO

Without gear unit.



Data sheet

| Feature | Value |
|--|--|
| Ambient temperature | -40 ... 40 °C |
| Storage temperature | -20 ... 60 °C |
| Relative air humidity | 0 - 90 % |
| Conforms to standard | IEC 60034 |
| Insulation protection class | F |
| Rating class according to EN 60034-1 | S1 |
| Temperature monitoring | PTC resistor |
| Protection class | IP54 |
| Electrical connector system | Plug |
| Materials note | Conforms to RoHS |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress |
| Authorization | RCM Mark c UL us - Recognized (OL) |
| CE symbol (see declaration of conformity) | according to EU-EMV guideline according to EU low voltage guideline |
| Nominal operating voltage DC | 565 V |
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| Type of winding switch | Star inside |
| Number of pole pairs | 4 |
| Standstill torque | 2.53 Nm |
| Nominal torque | 2.26 Nm |
| Peak torque | 8.55 Nm |
| Nominal rotary speed | 4,400 1/min |
| Max. speed | 4,960 1/min |
| Nominal motor power | 1,044 W |
| Nominal motor current | 1.7 A |
| Peak current | 7.4 A |
| Motor constant | 1.333 Nm/A |
| Voltage constant, phase-to-phase | 80.49 mVmin |
| Phase-phase winding resistance | 16.294 Ohm |
| Phase-phase winding inductance | 30.834 mH |
| Overall mass moment of inertia at power take-off | 0.62 kgcm ² |
| Product weight | 2,790 g |
| Permissible axial shaft load | 75 N |
| Permissible radial shaft load | 200 N |
| Rotor position sensor | Resolver |
| Rotary position encoder interface | SIN/COS analogue signal |
| Rotary position encoder measuring principle | Inductive |
| MTTF, subcomponent | 80 years, rotary position encoder |
| MTTFd, subcomponent | 160 years, rotary position encoder |