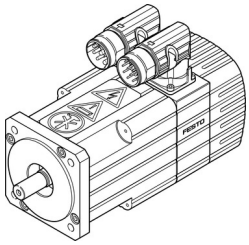
# Servo motor
# EMMS-AS-70-SK-LS-RR

Part number: 1550890



## Data sheet

| Feature | Value |
|---|---|
| Number of pole pairs | 4 |
| Type code | EMMS-AS |
| Rotor position sensor | Resolver |
| Rotor position sensor interface | SIN/COS analog signals |
| Rotor position sensor measuring principle | Inductive |
| Temperature monitoring | PTC resistor |
| Max. rotational speed | 6450 1/min |
| Nominal rotary speed | 5300 1/min |
| Insulation protection class | F |
| Motor constants | 0.647 Nm/A |
| Nominal operating voltage DC | 360 V |
| Motor nominal power | 866 W |
| DC nominal voltage | 360 V |
| Motor nominal current | 2.2 A |
| Phase-phase winding resistance | 7.66 Ohm |
| Winding inductance phase-phase | 14.5 mH |
| Type of winding switch | Star inside |
| Peak current | 5 A |
| Voltage constant, phase-to-phase | 39.47 mVmin |
| Rating class according to EN 60034-1 | S1 |
| CE marking (see declaration of conformity) | As per EU EMC directive<br>As per EU low voltage directive |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| Storage temperature | -20 °C ... 60 °C |
| Relative air humidity | 0 - 90 % |
| Degree of protection | IP54 |
| Ambient temperature | -40 °C ... 40 °C |
| Certification | RCM compliance mark<br>c UL us - Recognized (OL) |
| Total output inertia moment | 0.39 kgcm² |
| Nominal torque | 1.43 Nm |
| Peak torque | 3.1 Nm |
| Stall torque | 1.64 Nm |
| Permissible axial shaft load | 75 N |
| Permissible radial shaft load | 150 N |
| MTTF, subcomponent | 80 years, rotor position sensor |

| Feature | Value |
|---|---|
| MTTFd, subcomponent | 160 years, rotor position sensor |
| Product weight | 2190 g |
| Electrical connection technology | Plug |
| Note on materials | RoHS-compliant |
| Conforms to standard | IEC 60034 |
| Featherkey shaft design | DIN 6885<br>A 4 x 4 x 16 |