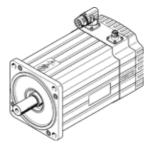
servo motor EMMS-AS-140-LK-HS-RS Part number: 560903 Product to be discontinued

Without gear unit.



Data sheet

| Feature | Value |
|--|---|
| Ambient temperature | -10 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 |
| Shaft design Featherkey | DIN 6885 |
| | A 8 x 7 x 40 |
| Electrical connector system | Plug |
| Materials note | Conforms to RoHS |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress |
| PWIS conformity | VDMA24364-B2-L |
| Authorisation | RCM Mark |
| | c UL us - Recognized (OL) |
| CE mark (see declaration of conformity) | to EU directive for EMC |
| | to EU directive low-voltage devices |
| | in accordance with EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for electrical equipment |
| orea marking (see declaration of comoning) | To UK instructions for EMC |
| | To UK RoHS instructions |
| Nominal voltage DC | 565 V |
| Type of winding switch | Star inside |
| Number of pole pairs | 6 |
| Standstill torque | 25.48 Nm |
| Nominal torque | 20.05 Nm |
| Peak torque | 48.8 Nm |
| Nominal rotary speed | 2,000 1/min |
| Max. speed | 2,460 1/min |
| Nominal motor power | 4,420 W |
| Nominal motor current | 7.8 A |
| Peak current | 20 A |
| Motor constant | 2.72 Nm/A |
| Voltage constant, phase-to-phase | 162.39 mVmin |
| Phase-phase winding resistance | 1.41 Ohm |
| Phase-phase winding inductance | 13.44 mH |
| Overall mass moment of inertia at power take-off | 19.027 kgcm2 |
| Product weight | 16,200 g |
| Permissible axial shaft load | 200 N |
| Permissible radial shaft load | 1,060 N |
| Rotor position sensor | Absolute single turn encoder |
| Rotary position encoder interface | EnDat 22 |
| Rotary position encoder measuring principle | Inductive |
| Rotor position encoder measuring principle | 18 Bit |
| | |
| MTTF, subcomponent | 76 years, rotary position encoder |
| MTTFd, subcomponent Energy efficiency | 152 years, rotary position encoder |
| Litery endedicy | ENEFF (CN) / Class 2 |

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