

servo motor EMMS-AS-55-S-HS-TM

Part number: 1569761

FESTO

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 |
| Electrical connector system | Plug |
| Materials note | Conforms to RoHS |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress |
| 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 |
| Nominal operating voltage DC | 565 V |
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| Type of winding switch | Star inside |
| Number of pole pairs | 4 |
| Standstill torque | 0.46 Nm |
| Nominal torque | 0.31 Nm |
| Peak torque | 1.62 Nm |
| Nominal rotary speed | 7,600 1/min |
| Max. speed | 9,840 1/min |
| Nominal motor power | 246 W |
| Nominal motor current | 0.49 A |
| Peak current | 2.7 A |
| Motor constant | 0.635 Nm/A |
| Voltage constant, phase-to-phase | 40.58 mVmin |
| Phase-phase winding resistance | 56.9 Ohm |
| Phase-phase winding inductance | 38.1 mH |
| Overall mass moment of inertia at power take-off | 0.11 kgcm ² |
| Product weight | 1,300 g |
| Permissible axial shaft load | 75 N |
| Permissible radial shaft load | 140 N |
| Rotor position sensor | Absolute multi-turn encoder |
| Rotary position encoder interface | EnDat 22 |
| Rotary position encoder measuring principle | Inductive |
| Rotary position encoder resolution | 19 Bit |
| MTTF, subcomponent | 76 years, rotary position encoder |
| MTTFd, subcomponent | 152 years, rotary position encoder |