

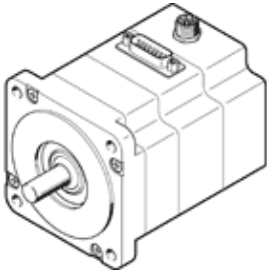
stepper motor EMMS-ST-87-S-SE-G2

Part number: 1370483

★ Core product range

Without gearing, without brake.

FESTO



Data sheet

| Feature | Value |
|--|---|
| Ambient temperature | -10 ... 50 °C |
| Storage temperature | -20 ... 70 °C |
| Relative air humidity | 0 - 85 % |
| Conforms to standard | IEC 60034 |
| Insulation protection class | B |
| Thermal class according to EN 60034-1 | B |
| Rating class according to EN 60034-1 | S1 |
| Protection class | IP54 |
| Electrical connector system | Plug |
| Materials note | Conforms to RoHS |
| Corrosion resistance classification CRC | 1 - Low 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 in accordance with EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK RoHS instructions |
| Nominal operating voltage DC | 48 V |
| Motor holding torque | 2.5 Nm |
| Max. speed | 2,130 1/min |
| Stepper angle at full step | 1.8 deg |
| Stepper angle tolerance | ±5 % |
| Nominal motor current | 9.5 A |
| Voltage constant, phase | 19 mVmin |
| Winding resistance phase | 0.1 Ohm |
| Winding inductance phase | 0.45 mH |
| Mass moment of inertia of rotor | 1 kgcm ² |
| Overall mass moment of inertia at power take-off | 1 kgcm ² |
| Product weight | 2,100 g |
| Permissible axial shaft load | 65 N |
| Permissible radial shaft load | 200 N |
| Rotor position sensor | Incremental encoder |
| Rotary position encoder interface | RS422 TTL AB-channel + zero index |
| Rotary position encoder measuring principle | Optical |
| Brake holding torque | 2 Nm |