

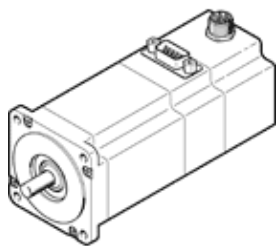
stepper motor EMMS-ST-57-M-SE-G2

Part number: 1370479

★ 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 |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK RoHS instructions |
| Nominal operating voltage DC | 48 V |
| Motor holding torque | 1.4 Nm |
| Max. speed | 1,940 1/min |
| Stepper angle at full step | 1.8 deg |
| Stepper angle tolerance | ±5 % |
| Nominal motor current | 5 A |
| Voltage constant, phase | 25.5 mVmin |
| Winding resistance phase | 0.25 Ohm |
| Winding inductance phase | 0.95 mH |
| Mass moment of inertia of rotor | 0.48 kgcm ² |
| Overall mass moment of inertia at power take-off | 0.48 kgcm ² |
| Product weight | 1,200 g |
| Permissible axial shaft load | 10 N |
| Permissible radial shaft load | 52 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 | 1 Nm |