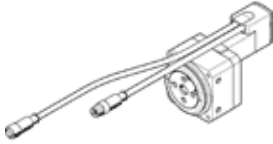


Rotary drive ERMO-16-ST-E

Part number: 3008526

FESTO

With stepper motor, integrated gear unit and measuring unit encoder.



Data sheet

| Feature | Value |
|--|---|
| Size | 16 |
| Design structure | Electromechanical rotary drive With integrated gearing |
| Assembly position | Any |
| Mounting type | with internal (female) thread |
| Rotation angle | Endless |
| Gear unit ratio | 9:1 |
| Nominal torque | 0.8 Nm |
| Nominal rotary speed | 100 1/min |
| Max. speed at 90° | 200 1/min |
| Impact energy in end positions | 0.00007 J |
| Torsional backlash | 0.2 deg |
| Repetition accuracy | ±0,05 ° |
| Max. axial force | 290 N |
| Max. radial force | 300 N |
| Permissible mass moment of inertia | 0.0013 kgm ² |
| Product weight | 900 g |
| Stepper angle at full step | 1.8 deg |
| Stepper angle tolerance | ±5 % |
| Mass moment of inertia, JO | 0.0383 kgcm ² |
| Duty cycle | 100 % |
| Nominal operating voltage DC | 24 V |
| Operating voltage DC for brake | 24 V |
| Power consumption, brake | 8 W |
| Brake holding torque | 1 Nm |
| Mass moment of inertia of brake | 0.0069 kgcm ² |
| Nominal motor current | 1.4 A |
| Insulation protection class | B |
| Motor type | Stepper motor |
| Rotor position sensor | Incremental encoder |
| Rotary position encoder interface | RS422 TTL AB-channel + zero index |
| Rotary position encoder measuring principle | Optical |
| Electrical connector system | Plug |
| Authorization | RCM Mark |
| CE symbol (see declaration of conformity) | according to EU-EMV guideline in accordance with EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK RoHS instructions |
| Bending radius, fixed cable installation | ≥ 60 mm |
| Interface code, base | E8-45 |
| Protection class | IP40 |
| Storage temperature | -20 ... 60 °C |
| Ambient temperature | 0 ... 50 °C |
| Relative air humidity | 0 - 85 % |

| Feature | Value |
|------------------|------------------------------------|
| | non-condensing |
| PWIS conformity | VDMA24364 zone III |
| Materials note | Conforms to RoHS |
| Material flange | Wrought Aluminum alloy Anodized |
| Material housing | Wrought Aluminum alloy Anodized |