

Rotary actuator ERMO-12-ST-E

Part number: 3008525

FESTO



Data sheet

| Feature | Value |
|-------------------------------------------|-----------------------------------------------------------|
| Size | 12 |
| Type code | ERMO |
| Design | Electromechanical rotary actuator with integrated gearbox |
| Mounting position | Any |
| Type of mounting | With internal thread |
| Rotation angle | Infinite |
| Gear ratio | 9:1 |
| Nominal torque | 0.15 Nm |
| Nominal rotary speed | 100 1/min |
| Max. rotational speed | 200 1/min |
| Torsional backlash | 0.2 deg |
| Repetition accuracy | ±0.05 ° |
| Max. axial force | 180 N |
| Max. radial force | 200 N |
| Permissible mass moment of inertia | 3.0E-4 kgm ² |
| Product weight | 475 g |
| Step angle with full step | 1.8 deg |
| Step angle tolerance | ±5% |
| Mass moment of inertia JO | 0.0079 kgcm ² |
| Duty cycle | 100% |
| Nominal operating voltage DC | 24 V |
| Motor nominal current | 0.8 A |
| Insulation protection class | B |
| Motor type | Stepper motor |
| Rotor position sensor | Incremental encoder |
| Rotor position sensor interface | RS422 TTL A/B channels + zero index |
| Rotor position sensor measuring principle | Optical |
| Electrical connection technology | Plug |
| Bending radius, fixed cable installation | ≥60 mm |
| Interface code, base | E8-35 |
| Degree of protection | IP40 |
| Ambient temperature | 0 °C ... 50 °C |
| Relative air humidity | 0 - 85 % Non-condensing |

| Feature | Value |
|--------------------------------------------|----------------------------------------------------------------|
| Note on materials | Contains paint-wetting impairment substances RoHS-compliant |
| CE marking (see declaration of conformity) | As per EU EMC directive |
| Material of flange | Wrought aluminum alloy Anodized |
| Housing material | Wrought aluminum alloy Anodized |