

Rotary drive ERMO-32-ST-E

Part number: 3008528

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|--|---|
| Size | 32 |
| Design | Electromechanical rotary drive With integrated gear unit |
| Mounting position | Any |
| Type of mounting | With female thread |
| Rotation angle | Infinite |
| Gear unit ratio | 7:1 |
| Nominal torque | 5 Nm |
| Nominal rotary speed | 50 rpm |
| Max. speed at 90° | 100 rpm |
| Impact energy in end positions | 2.9E-4 J |
| Torsional backlash | 0.2 deg |
| Repetition accuracy | ±0.1° |
| Max. axial force | 450 N |
| Max. radial force | 550 N |
| Permissible mass moment of inertia | 0.0164 kgm ² |
| Product weight | 2200 g |
| Stepper angle for complete step | 1.8 deg |
| Stepping angle tolerance | ±5% |
| Mass moment of inertia JO | 0.39 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 | 2.5 Nm |
| Mass moment of inertia of brake | 0.013 kgcm ² |
| Nominal motor current | 4.2 A |
| Insulation protection class | B |
| Type of motor | Stepper motor |
| Rotor position sensor | Incremental encoder |
| Rotor position encoder interface | RS422 TTL AB channels + zero index |
| Rotor position sensor, encoder measuring principle | Optical |
| Electrical connector system | Plug |
| Approval | RCM |
| CE mark (see declaration of conformity) | To EU EMC Directive In accordance with EU RoHS Directive |

| Feature | Value |
|--|-------------------------------------|
| UKCA marking (see declaration of conformity) | To UK RoHS instructions |
| Interface code, basis | E8-55 |
| Degree of protection | IP40 |
| Storage temperature | -20 °C ... 60 °C |
| Ambient temperature | 0 °C ... 50 °C |
| Relative air humidity | Non-condensing |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Note on materials | RoHS compliant |
| Material flange | Wrought aluminium alloy anodised |
| Material housing | anodised |