

rotary gripper module

EHMD-40-RE-GE-16

Part number: 8099502

FESTO



Data sheet

| Feature | Value |
|--|---|
| Size | 40 |
| Rotation angle | Endless |
| Stroke per gripper jaw | 15 mm |
| Controllable stroke range per gripper jaw | 0 ... 15 mm |
| Number of gripper fingers | 2 |
| Assembly position | Any |
| Design structure | Electric rotary drive Electric gripper |
| Position detection | Rotation: motor encoder Gripping: motor encoder |
| Gripper function | Parallel |
| Motor type | Stepper motor |
| Referencing | Rotation: encoder index Gripping: fixed stop block |
| Rotor position sensor | Incremental encoder |
| Rotary position encoder interface | RS422 TTL AB-channel + zero index |
| Rotary position encoder measuring principle | Optical |
| Max. output speed | 240 1/min |
| Duty cycle | 100 % |
| Insulation protection class | B |
| Nominal motor current | 0.9 A |
| Note on nominal motor current | 0.5 A for gripper drive |
| Nominal voltage DC | 24 V |
| Authorization | RCM Mark |
| KC mark | KC-EMV |
| 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 |
| PWIS conformity | VDMA24364 zone III |
| Storage temperature | -20 ... 70 °C |
| Relative air humidity | 0 - 85 % |
| Protection class | IP20 |
| Ambient temperature | 0 ... 40 °C |
| Gripping force per gripper jaw | 3 ... 14 N |
| Max. output torque | 0.3 Nm |
| Max. torque at gripper Mx static | 1.5 Nm |
| Max. torque at gripper My static | 1.5 Nm |
| Max. torque at gripper Mz static | 1.5 Nm |
| Product weight | 724 g |
| Electrical connection 1, connection type | Plug |
| Electrical connection 1, connection technology | Connection pattern F1 |
| Mounting type | With dovetail slot |
| Materials note | Conforms to RoHS |
| Material cover | PA-reinforced |
| Material housing | Anodised wrought aluminium alloy |