

# Gear unit EMGA-80-A-G3-80P

Part number: 8085346

FESTO



## Data sheet

| Feature                         | Value                   |
|---------------------------------|-------------------------|
| Gearbox flange size             | 80 mm                   |
| Motor flange size               | 80 mm                   |
| Torsional backlash              | 0.22 deg                |
| Gearbox type                    | Angular gear            |
| Gear ratio                      | 3:1                     |
| Max. actuator speed             | 7000 rpm                |
| Gearbox operating temperature   | -25 °C...90 °C          |
| LABS (PWIS) conformity          | VDMA24364-B2-L          |
| Degree of protection            | IP54                    |
| Continuous output torque        | 40 Nm                   |
| Mass moment of inertia, gearbox | 1.409 kgcm <sup>2</sup> |
| Max. output torque              | 64 Nm                   |
| Max. efficiency                 | 95 %                    |
| Torsional rigidity              | 5 Nm/arcmin             |
| Product weight                  | 4300 g                  |
| Permissible axial shaft load    | 1000 N                  |
| Permissible radial shaft load   | 750 N                   |
| Gearbox interface, output shaft | 80G                     |
| Gearbox interface, actuator     | 80P                     |
| Note on materials               | RoHS-compliant          |