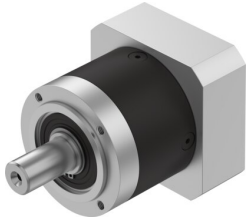


## Gear unit EMGA-80-P-G8-SST-87

Part number: 8141766

**FESTO**



## Data sheet

| Feature                         | Value                  |
|---------------------------------|------------------------|
| Gearbox flange size             | 80 mm                  |
| Motor flange size               | 87 mm                  |
| Torsional backlash              | 0.12 deg               |
| Gearbox type                    | Planetary gear set     |
| Gear ratio                      | 8:1                    |
| 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        | 50 Nm                  |
| Mass moment of inertia, gearbox | 0.37 kgcm <sup>2</sup> |
| Max. output torque              | 80 Nm                  |
| Max. efficiency                 | 97 %                   |
| Torsional rigidity              | 8.4 Nm/arcmin          |
| Product weight                  | 2100 g                 |
| Permissible axial shaft load    | 1000 N                 |
| Permissible radial shaft load   | 750 N                  |
| Gearbox interface, output shaft | 80G                    |
| Gearbox interface, actuator     | 87A                    |
| Note on materials               | RoHS compliant         |