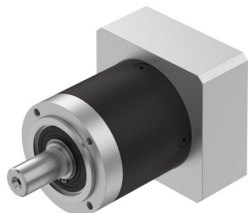


# Gear unit EMGA-80-P-G12-SAS-100

Part number: 8141751

FESTO



 [General operating condition](#)

## Data sheet

| Feature                         | Value                   |
|---------------------------------|-------------------------|
| Gearbox flange size             | 80 mm                   |
| Motor flange size               | 100 mm                  |
| Torsional backlash              | 0.15 deg                |
| Gearbox type                    | Planetary gear          |
| Gear ratio                      | 12:1                    |
| 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        | 120 Nm                  |
| Mass moment of inertia, gearbox | 0.589 kgcm <sup>2</sup> |
| Max. output torque              | 192 Nm                  |
| Max. efficiency                 | 96 %                    |
| Torsional rigidity              | 10.2 Nm/arcmin          |
| Product weight                  | 2800 g                  |
| Permissible axial shaft load    | 1000 N                  |
| Permissible radial shaft load   | 750 N                   |
| Gearbox interface, output shaft | 80G                     |
| Gearbox interface, actuator     | 100A                    |
| Note on materials               | RoHS-compliant          |