

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

Part number: 8085346

FESTO



 [General operating condition](#)

## 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