

Product data sheet

Specifications



gearbox with straight teeth GBX- Ø
80 mm- reduction 100:1- <
16arcmin- 120 N.m

GBX0801001002F

⚠ Discontinued on: Mar 11, 2022

⚠ Discontinued

Main

Range Compatibility	Lexium 32
Product or Component Type	Planetary gearbox
Gear box type	Straight teeth
Device short name	GBX
Gearbox external diameter	3.1 in (80 mm)
Product compatibility	BSH1002... BMH1002...
Reduction ratio	100:1

Complementary

Maximum torsional backlash	16 arc.min
Torsional rigidity	6.3 N.m/arcmin
Housing Colour	Black
Housing material	Black anodized aluminium
Shaft material	C 45
Additional information	Lubricated for life
Service life in hours	30000 h 100 rpm 86 °F (30 °C)
Efficiency	94 %
Maximum radial force Fr	650 N 100 rpm, force applied at mid-distance from output shaft during 30000 hour at 30 °C 950 N 100 rpm, force applied at mid-distance from output shaft during 10000 hour at 30 °C
Maximum axial force Fa	1200 N 100 rpm, during 10000 hour at 30 °C 900 N 100 rpm, during 30000 hour at 30 °C
Continuous output torque	1062.09 lbf.in (120 N.m) 100 rpm 86 °F (30 °C)
Maximum output torque	1699.3 lbf.in (192 N.m) 100 rpm 86 °F (30 °C)
Net Weight	6.8 lb(US) (3.1 kg)
Compatibility code	GBX

Environment

Noise level	60 dB 1 m, no-load
IP Degree of Protection	Shaft output IP54
ambient temperature for operation	-13...194 °F (-25...90 °C)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Packing Units

Unit Type of Package 1	PCE
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Nbr. of units in pkg.	1
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Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Longer



Lifetime extension

Repair

No