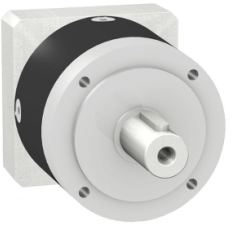
Product data sheet

Specifications

Green Premium™



gearbox with straight teeth GBX- Ø 80 mm- reduction 12:1- < 14arcmin- 120 N.m

GBX0800121001F

Discontinued

Main

Range Compatibility	Lexium 32 Lexium 15
Product Or Component Type	Planetary gearbox
Gear Box Type	Straight teeth
Device Short Name	GBX
Gearbox External Diameter	3.15 in (80 mm)
Product Compatibility	BSH1001...
Reduction Ratio	12:1

Complementary

Maximum Torsional Backlash	14 arc.min
Torsional Rigidity	6.5 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 %
Mounting Position	Any position
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
Moment Of Inertia	0.00 lb.in² (0.72 g.cm²)
Continuous Output Torque	1062.09 lbf.in (120 N.m) 100 rpm 86 °F (30 °C)
Maximum Output Torque	1699.34 lbf.in (192 N.m) 100 rpm 86 °F (30 °C)
Net Weight	5.73 lb(US) (2.6 kg)

Environment

Noise Level	60 dB 1 m, no-load
Ip Degree Of Protection	Shaft output IP54

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Ambient Temperature For Operation	-13…194 °F (-25…90 °C)

Ordering and shipping details

Category	18305-MOTION CONTROL CONNECTORS & ACCESS
Discount Schedule	PC51
Gtin	3389118144392
Returnability	No
Country Of Origin	DE

Contractual warranty

Warranty	18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

Well-being performance

Reach Free Of Svhc	
Mercury Free	
Rohs Exemption Information	Yes
Pvc Free	

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov