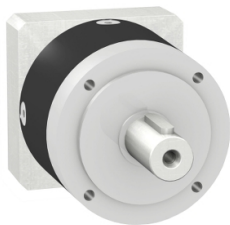


Product data sheet

Specifications



gearbox with straight teeth GBX- Ø
120 mm- reduction 8:1- < 8arcmin-
120 N.m

GBX1200081401F

⚠ 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	4.7 in (120 mm)
Product compatibility	BSH1401...
Reduction ratio	8:1

Complementary

Maximum torsional backlash	8 arc.min
Torsional rigidity	12 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	96 %
Mounting position	Any position
Maximum radial force Fr	1500 N 100 rpm, force applied at mid-distance from output shaft during 30000 hour at 30 °C 2000 N 100 rpm, force applied at mid-distance from output shaft during 10000 hour at 30 °C
Maximum axial force Fa	2100 N 100 rpm, during 30000 hour at 30°C 2800 N 100 rpm, during 10000 hour at 30°C
moment of inertia	0.0005 lb.in² (1.32 g.cm²)
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	13.2 lb(US) (6 kg)
Compatibility code	GBX

Environment

Noise level	65 dB 1 m, no-load
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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

IP Degree of Protection	Shaft output IP54
ambient temperature for operation	-13...194 °F (-25...90 °C)

Ordering and shipping details

Category	18305-MOTION CONTROL CONNECTORS & ACCESS
Discount Schedule	PC51
GTIN	3389118344495
Returnability	No
Country of origin	DE

Packing Units

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

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