Product data sheet

Specifications

Discontinued - Service only

gearbox with straight teeth GBX- Ã˜ 160 mm- reduction 3:1- < 6arcmin- 400 N.m

GBX1600031402F

Discontinued on: Jun 15, 2023

To be end-of-service on: Mar 31, 2028

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range Compatibility	Lexium 15 Lexium 32
Product or Component Type	Planetary gearbox
Gear box type	Straight teeth
Device short name	GBX
Gearbox external diameter	6.3 in (160 mm)
Product compatibility	BSH1402...
Reduction ratio	3:1

Complementary

Maximum torsional backlash	6 arc.min
Torsional rigidity	38 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	4200 N 100 rpm, force applied at mid-distance from output shaft during 30000 hour at 30 °C 6000 N 100 rpm, force applied at mid-distance from output shaft during 10000 hour at 30 °C
Maximum axial force Fa	6000 N 100 rpm, during 30000 hour at 30°C 8000 N 100 rpm, during 10000 hour at 30°C
moment of inertia	0.004 lb.in² (12.14 g.cm²)
Continuous output torque	3540.3 lbf.in (400 N.m) 100 rpm 86 °F (30 °C)
Maximum output torque	5664.5 lbf.in (640 N.m) 100 rpm 86 °F (30 °C)
Product Weight	39.7 lb(US) (18 kg)
Compatibility code	GBX

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

Environment

Noise level	70 dB 1 m, no-load
IP Degree of Protection	Shaft output IP54
ambient temperature for operation	-13…194 °F (-25…90 °C)

Ordering and shipping details

Category	US1PC5318283
Discount Schedule	PC53
GTIN	3389118145054
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	10.2 in (26.0 cm)
Package 1 Width	17.7 in (45.0 cm)
Package 1 Length	10.2 in (26.0 cm)
Package weight(Lbs)	41.9 lb(US) (19.0 kg)

Contractual warranty

Warranty (in months)	18

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 Better

Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	No

Use Longer

Lifetime extension

Repair	No

Use Again

Repack and remanufacture

Take-back	No