

# Product data sheet

Specifications



gearbox straight teeth GBX,  
Lexium, 40mm, reduction 8:1 ,  
15arc.min, 6N.m

GBX040008K

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

Price\*: 390.70 USD

## Main

Range Compatibility	Lexium SD3 Lexium ILE Lexium 28
Product Or Component Type	Planetary gearbox
Gear Box Type	Straight teeth
Device Short Name	GBX
Product Compatibility	BRS3 ILE 2.60 in (66 mm), 1 ILE 2.60 in (66 mm), 2 BCH2 1.57 in (40 mm), 1 BCH2 1.57 in (40 mm), 2
Gearbox External Diameter	1.57 in (40 mm)
Reduction Ratio	8:1

## Complementary

Maximum Torsional Backlash	15 arc.min
Torsional Rigidity	1 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)
Mounting Position	Any position
Efficiency	96 %
Maximum Radial Force Fr	160 N 100 rpm, force applied at mid-distance from output shaft during 30000 hour at 30 °C
Maximum Axial Force Fa	160 N 100 rpm, during 30000 hour at 30 °C
Moment Of Inertia	0.019 kg.cm²
Continuous Output Torque	53.10 lbf.in (6 N.m) 100 rpm 86 °F (30 °C)
Maximum Output Torque	88.51 lbf.in (10 N.m) 100 rpm 86 °F (30 °C)
Input Diameter	0.31 in (8.0 mm)

## Environment

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

Noise Level	55 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	3606480388170
Returnability	No
Country Of Origin	DE

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.76 in (7 cm)
Package 1 Width	2.68 in (6.8 cm)
Package 1 Length	5.51 in (14 cm)
Package 1 Weight	12.87 oz (365 g)
Unit Type Of Package 2	S01
Number Of Units In Package 2	10
Package 2 Height	5.91 in (15 cm)
Package 2 Width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	10.42 lb(US) (4.725 kg)
Unit Type Of Package 3	S03
Number Of Units In Package 3	10
Package 3 Height	11.81 in (30 cm)
Package 3 Width	11.81 in (30 cm)
Package 3 Length	15.75 in (40 cm)
Package 3 Weight	9.62 lb(US) (4.363 kg)

## Contractual warranty

Warranty	18 months
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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<sub>2</sub> 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

✓ Mercury Free

✓ Rohs Exemption Information   [Yes](#)

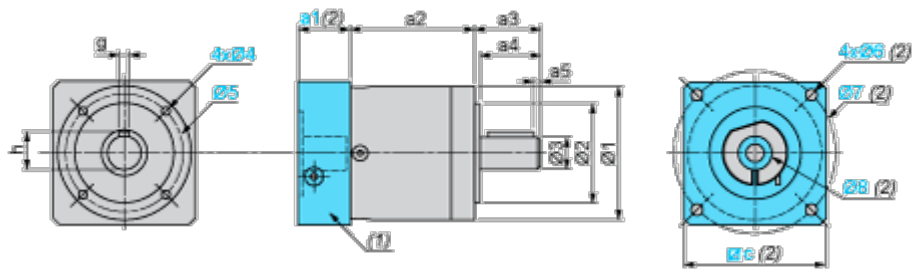
✓ Pvc Free

Certifications & Standards

Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

Dimensions Drawings

Dimensions with Servo Motor Adaptation Kit



- (1) GBK adaptation kit
- (2) GBK adaptation kit related dimensions a1, c, Ø6, Ø7, Ø8 depend on the gearbox and servo motor combination
- Ø8 shaft end adaptor in case motor shaft diameter is smaller than gearbox input coupling diameter

Values in mm

a2	a3	a4	a5	h	g	Ø1	Ø2	Ø3	Ø4	Ø5
39	26	23	2.5	11.2	3	40	26 h7	10 h7	M4 x 6	34

Values in in.

a2	a3	a4	a5	h	g	Ø1	Ø2	Ø3	Ø4	Ø5
1.54	1.02	0.90	0.10	0.44	0.11	1.57	1.02 h7	0.39 h7	M4 x 0.23	1.34