

Product datasheet

Specifications



gearbox straight teeth GBX - Ø 60 mm - reduction 32:1 < 12 arc.min - 44 N.m

GBX060032K

⚠ Discontinued on: 9 Feb 2023

⚠ Discontinued

EAN Code: 3606480388286

Main

Range compatibility	Lexium 62 Lexium 52 Lexium 62 ILM Lexium 32 Lexium 28
Gear box type	Straight teeth
Product or component type	Planetary gearbox
Device short name	GBX
Product compatibility	BSH (55 mm, 1 motor stacks) BCH2 (60 mm, 1 motor stacks) BCH2 (60 mm, 2 motor stacks) SH3 MH3 ILM
Gearbox external diameter	60 mm
Reduction ratio	32:1

Complementary

Maximum torsional backlash	12 arc.min
Torsional rigidity	2.5 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 at 100 rpm at 30 °C
Mounting position	Any position
Efficiency	94 %
Maximum radial force Fr	340 N at 100 rpm, force applied at mid-distance from output shaft during 30000 hour at 30 °C
Maximum axial force Fa	450 N at 100 rpm, during 30000 hour at 30 °C
moment of inertia	0.064 kg.cm ²
Continuous output torque	44 N.m at 100 rpm at 30 °C
Maximum output torque	70 N.m at 100 rpm at 30 °C
Net weight	1.1 kg
Input diameter	14.0 mm

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

No load running torque	0.05 N.m
Reduction ratio	32
Compatibility code	GBX
Internal length	67.5 mm

Environment

Noise level	58 dB at 1 m, no-load
IP degree of protection	Shaft output: IP54
ambient temperature for operation	-25...90 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.000 cm
Package 1 Width	7.000 cm
Package 1 Length	14.500 cm
Package 1 Weight	1.020 kg
Unit Type of Package 2	S03
Number of Units in Package 2	10
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	10.620 kg
Unit Type of Package 3	P12
Number of Units in Package 3	80
Package 3 Height	45.000 cm
Package 3 Width	80.000 cm
Package 3 Length	120.000 cm
Package 3 Weight	96.960 kg

Contractual warranty

Warranty	18 months
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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 >](#)

Environmental footprint

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) **1163**

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard **No**

Packaging without single use plastic **No**

[EU RoHS Directive](#) **Pro-active compliance (Product out of EU RoHS legal scope)**

SCIP Number **7c9e597c-8ccc-4daf-95fb-5d67fc70d561**

REACH Regulation [REACH Declaration](#)

PVC free **Yes**

Use Again

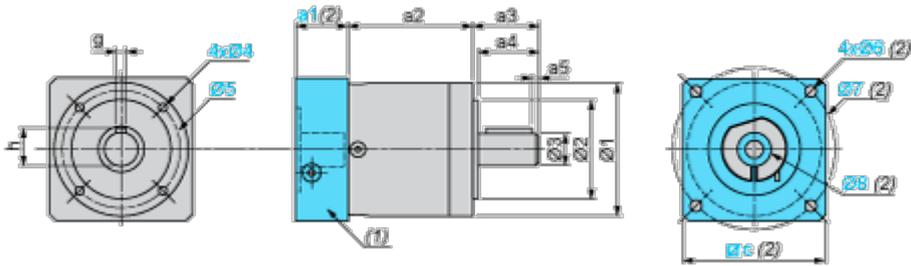
Repack and remanufacture

Circularity Profile **No need of specific recycling operations**

Take-back **No**

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
67.5	35	30	2.5	16	5	60	40 h7	14 h7	M5 x 8	52

Values in in.

a2	a3	a4	a5	h	g	Ø1	Ø2	Ø3	Ø4	Ø5
2.66	1.38	1.18	0.10	063	0.19	2.36	1.57 h7	0.55 h7	M5 x 0.31	2.05