

gearbox straight teeth GBX, Lexium, 60mm, reduction 4:1, 10arc.min, 38N.m

GBX060004K

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

Main

Range Compatibility	Lexium ILS
	Lexium 52
	Lexium 62 ILM
	Lexium 32
	Lexium ILA
	Lexium SD3
	Lexium 62
Gear box type	Straight teeth
Product or Component Type	Planetary gearbox
Device short name	GBX
Product compatibility	BMH 2.8 in (70 mm), 1
	BMH 2.8 in (70 mm), 2
	BMH 2.8 in (70 mm), 3
	BSH 2.2 in (55 mm), 1
	BSH 2.2 in (55 mm), 2
	BSH 2.2 in (55 mm), 3
	BSH 2.8 in (70 mm), 1
	BSH 2.8 in (70 mm), 2
	BSH 2.8 in (70 mm), 3
	BRS3
	ILA 2.2 in (57 mm), 1
	ILA 2.2 in (57 mm), 2
	ILS 2.2 in (57 mm), 1
	ILS 2.2 in (57 mm), 2
	ILS 2.2 in (57 mm), 3
	SH3
	MH3
	ILM
Gearbox external diameter	2.4 in (60 mm)
Reduction ratio	4:1

Complementary

Somplementary						
Maximum torsional backlash	10 arc.min					
Torsional rigidity	2.3 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	340 N 100 rpm, force applied at mid-distance from output shaft during 30000 hour at 30 °C					

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

Maximum axial force Fa	450 N 100 rpm, during 30000 hour at 30°C				
moment of inertia	0.093 kg.cm²				
Continuous output torque	336.3 lbf.in (38 N.m) 100 rpm 86 °F (30 °C)				
Maximum output torque	539.9 lbf.in (61 N.m) 100 rpm 86 °F (30 °C)				
Net Weight	2.0 lb(US) (0.9 kg)				
Input diameter	0.6 in (14.0 mm)				
No load running torque	0.44 lbf.in (0.05 N.m)				
Reduction ratio	4				
Compatibility code	GBX				
Internal length	1.5 in (39.0 mm)				

Environment

Noise level	58 dB 1 m, no-load
IP Degree of Protection	Shaft output IP54
ambient temperature for operation	-13194 °F (-2590 °C)

Ordering and shipping details

Category	US1PC5318283
Discount Schedule	PC53
GTIN	3606480388194
Returnability	No
Country of origin	DE

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.68 in (6.8 cm)
Package 1 Width	2.68 in (6.8 cm)
Package 1 Length	5.31 in (13.5 cm)
Package 1 Weight	29.1 oz (825 g)
Unit Type of Package 2	S03
Number of Units in Package 2	10
Package 2 Height	11.81 in (30 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	19.264 lb(US) (8.738 kg)

Contractual warranty

Warranty 18 months



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 CO2 eq, 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
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
PVC free	Yes

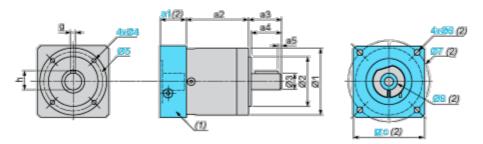
Use Again

○ Repack and remanufacture	
Circularity Profile	No need of specific recycling operations
Take-back	No

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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	а3	a4	а5	h	g	Ø1	Ø2	Ø3	Ø4	Ø5
55	35	30	2.5	16	5	60	40 h7	14 h7	M5 x 8	52

Values in in.

a2	а3	a4	a5	h	g	Ø1	Ø2	Ø3	Ø4	Ø5
2.16	1.38	1.18	0.10	063	0.19	2.36	1.57 h7	0.55 h7	M5 x 0.31	2.05