Product datasheet





gearbox straight teeth GBX - Ø 60 mm - reduction 9:1 < 12 arc.min -44 N.m

GBX060009K

EAN Code: 3606480388224

Main

Range Compatibility	Lexium ILA
	Lexium 32
	Lexium SD3
	Lexium 52
	Lexium ILS
	Lexium 62
	Lexium ILE
	Lexium 62 ILM
Product Or Component Type	Planetary gearbox
Gear Box Type	Straight teeth
Device Short Name	GBX
Product Compatibility	BMH (70 mm, 1 motor stacks)
	BMH (70 mm, 2 motor stacks)
	BSH (55 mm, 1 motor stacks)
	BSH (55 mm, 2 motor stacks)
	BSH (55 mm, 3 motor stacks)
	BSH (70 mm, 1 motor stacks)
	BSH (70 mm, 2 motor stacks)
	BRS3
	ILE (66 mm, 1 motor stacks)
	ILE (66 mm, 2 motor stacks)
	ILA (57 mm, 1 motor stacks)
	ILA (57 mm, 2 motor stacks)
	ILS (57 mm, 1 motor stacks)
	ILS (57 mm, 2 motor stacks)
	ILS (57 mm, 3 motor stacks)
	SH3
	MH3
	ILM
Gearbox External Diameter	60 mm
Reduction Ratio	9:1

Complementary

Maximum Torsional Backlash	12 arc.min 2.5 N.m/arcmin					
Torsional Rigidity						
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 $^{\circ}\text{C}$					

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Maximum Axial Force Fa	450 N at 100 rpm, during 30000 hour at 30°C					
	450 Wat 100 Ipin, daining 50000 Hour at 50 O					
Moment Of Inertia	0.131 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					

Environment

Noise Level	58 dB at 1 m, no-load				
Ip Degree Of Protection	Shaft output: IP54				
Ambient Temperature For Operation	-2590 °C				

Packing Units

•	
Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	6.8 cm
Package 1 Width	7.0 cm
Package 1 Length	14.5 cm
Package 1 Weight	998.0 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	10
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	10.693 kg

Logistical informations

Country Of Origin U

Contractual warranty

Warranty 18 months



Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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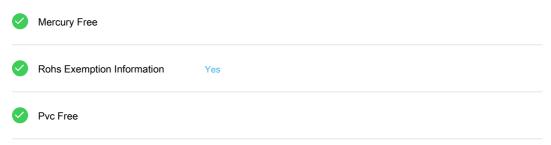
Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



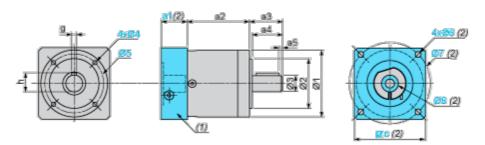
Certifications & Standards

Reach Regulation	REACh Declaration					
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)					
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information					
Environmental Disclosure	Product Environmental Profile					
Circularity Profile	No need of specific recycling operations					

GBX060009K

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	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

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