Product datasheet

Specifications





gear box straight teeth GBX - Ø 60 mm - reduction 10:1 <10 arc.min -15 N.m

GBX060010K

EAN Code: 3606485317489

Main

mann						
Range compatibility	Lexium 62 Lexium 28 Lexium 62 ILM Lexium 52 Lexium 32					
Gear box type	Straight teeth					
Product or component type	Planetary gearbox					
Device short name	GBX					
Product compatibility	BMH (70 mm, 1 motor stacks) BSH (55 mm, 1 motor stacks) BSH (55 mm, 3 motor stacks) BSH (70 mm, 1 motor stacks) BCH2 (60 mm, 1 motor stacks) SH3 MH3 ILM					
Gearbox external diameter	60 mm					
Reduction ratio 10:1						

Complementary

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 at 100 rpm at 30 °C					
mounting position	Any position					
Efficiency	96 %					
Maximum radial force Fr	340 N at 100 rpm, force applied at mid-distance from output shaft during 30000 hour at 30 $^\circ\text{C}$					
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	15 N.m at 100 rpm at 30 °C					
Maximum output torque	24 N.m at 100 rpm at 30 °C					
Product weight	0.9 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	12.5 cm
Package 1 Width	7.0 cm
Package 1 Length	7.0 cm
Package 1 Weight	832.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	5
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	4.615 kg

Contractual warranty

Warranty

18 months

Sustainability Screen

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.

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

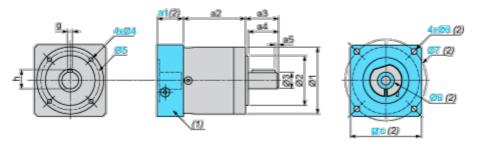
Certifications & Standards

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				

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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	a3	a4	a5	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	a3	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