

gearbox straight teeth GBX - Ø 60 mm - reduction 40:1 < 12 arc.min - 40 N.m

GBX060040K

EAN Code: 3606480388293

Main

Range compatibility	Lexium 62 ILM						
Mange companionity	Lexium ILE						
	Lexium ILA						
	Lexium 52						
	Lexium 62						
	Lexium 32						
	Lexium ILS						
Gear box type	Straight teeth						
Product or component type	Planetary gearbox						
Device short name	GBX						
Product compatibility	BSH (55 mm, 1 motor stacks)						
	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	40:1						

Complementary

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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	98.0 %					
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	0.149 kg.cm²					
Continuous output torque	40 N.m at 100 rpm at 30 °C					
Maximum output torque	64 N.m at 100 rpm at 30 °C					

Net weight	1.1 kg
Input diameter	14.0 mm
No load running torque	0.05 N.m
Reduction ratio	40
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	-2590 °C				

Packing Units

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Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.600 cm
Package 1 Width	9.400 cm
Package 1 Length	17.200 cm
Package 1 Weight	1.030 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	10.801 kg

Logistical informations

Country of origin

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.eq.CO2 per CR, Total Life cycle)	1163
Environmental Disclosure	Product Environmental Profile

Use Better

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

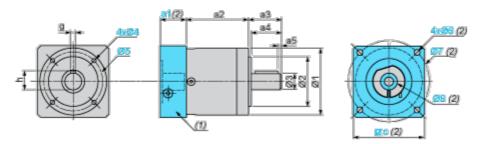
Use Again

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

GBX060040K

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	а3	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