

gearbox straight teeth GBX - Ø 120 mm - reduction 100:1 < 11 arc.min - 260 N.m

GBX120100K

EAN Code: 3606480388576

Main

Range compatibility	Lexium 32 Lexium 32i Lexium 62 Lexium 52 Lexium 62 ILM
Gear box type	Straight teeth
Product or component type	Planetary gearbox
Device short name	GBX
Product compatibility	BMI (70 mm, 2 motor stacks) BMH (70 mm, 1 motor stacks) BSH (70 mm, 1 motor stacks) SH3 MH3 ILM
Gearbox external diameter	120 mm
Reduction ratio	100:1

Complementary

1 Jul 2025

11 ara min
11 arc.min
12 N.m/arcmin
Black
Black anodized aluminium
C 45
Lubricated for life
30000 h at 100 rpm at 30 °C
Any position
97.0 %
1500 N at 100 rpm, force applied at mid-distance from output shaft during 30000 hour at 30 °C
2100 N at 100 rpm, during 30000 hour at 30°C
1.835 kg.cm²
260 N.m at 100 rpm at 30 °C
416 N.m at 100 rpm at 30 °C
10 kg
24.0 mm
0.3 N.m

Reduction ratio	100
Compatibility code	GBX
Internal length	154 0 mm

Environment

Noise level	65 dB at 1 m, no-load				
IP degree of protection	Shaft output: IP54				
ambient temperature for	-2590 °C				

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.000 cm
Package 1 Width	13.000 cm
Package 1 Length	23.500 cm
Package 1 Weight	8.925 kg
Unit Type of Package 2	S02
Number of Units in Package 2	2
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	18.110 kg
Unit Type of Package 3	P12
Number of Units in Package 3	32
Package 3 Height	45.000 cm
Package 3 Width	80.000 cm
Package 3 Length	120.000 cm
Package 3 Weight	301.760 kg

Logistical informations

Country of origin DE

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)	1201
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

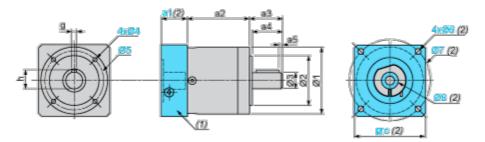
Use Again

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

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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
154	55	50	5	28	8	115	80 h7	25 h7	M10 x 16	100

Values in in

Valaco III III.										
a2	a3	a4	a5	h	g	Ø1	Ø2	Ø3	Ø4	Ø5
6.06	2.17	1.97	0.19	1.10	0.31	4.53	3.15 h7	0.98 h7	M10 x 0.63	3.94