

Lembar data produk

Spesifikasi



gearbox straight teeth GBX - Ø 80 mm - reduction 5:1 < 7 arc.min - 110 N.m

GBX080005K

⚠ Telah dihentikan pada: 27 Agu 2020

⚠ Dihentikan

Main

Range Compatibility	Lexium SD3 Lexium 32 Lexium 28 Lexium 62 Lexium 62 ILM Lexium ILS Lexium 32i Lexium 52
Product Or Component Type	Planetary gearbox
Gear Box Type	Straight teeth
Device Short Name	GBX
Product Compatibility	BMI (70 mm, 2 motor stacks) BMI (70 mm, 3 motor stacks) BMH (100 mm, 1 motor stacks) BMH (100 mm, 2 motor stacks) BMH (100 mm, 3 motor stacks) BSH (100 mm, 1 motor stacks) BSH (100 mm, 2 motor stacks) BSH (100 mm, 3 motor stacks) BRS3 ILS (85 mm, 1 motor stacks) ILS (85 mm, 2 motor stacks) ILS (85 mm, 3 motor stacks) BCH2 (80 mm, 1 motor stacks) BCH2 (80 mm, 2 motor stacks) SH3 MH3 ILM
Gearbox External Diameter	80 mm
Reduction Ratio	5:1

Complementary

Maximum Torsional Backlash	7 arc.min
Torsional Rigidity	6 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 %

Disklaimer: Dokumentasi ini tidak ditujukan sebagai pengganti dan tidak untuk digunakan untuk menentukan kesesuaian atau keandalan produk ini untuk aplikasi pengguna

Maximum Radial Force Fr	650 N at 100 rpm, force applied at mid-distance from output shaft during 30000 hour at 30 °C
Maximum Axial Force Fa	1200 N at 100 rpm, during 30000 hour at 30°C
Moment Of Inertia	0.45 kg.cm²
Continuous Output Torque	110 N.m at 100 rpm at 30 °C
Maximum Output Torque	176 N.m at 100 rpm at 30 °C
Net Weight	2.1 kg
Input Diameter	19.0 mm

Environment

Noise Level	60 dB at 1 m, no-load
Ip Degree Of Protection	Shaft output: IP54
Ambient Temperature For Operation	-25...90 °C

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	16.2 cm
Package 1 Width	10.8 cm
Package 1 Length	11.0 cm
Package 1 Weight	1.934 kg
Unit Type Of Package 2	S03
Number Of Units In Package 2	5
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	10.166 kg

Contractual warranty

Warranty	18 months
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Keberlanjutan

Green Premium™ label adalah komitmen Schneider Electric untuk memberikan produk dengan performa lingkungan terbaik di kelasnya. Green Premium menjanjikan kepatuhan pada peraturan terbaru, transparansi pada dampak lingkungan, serta produk melingkar dan rendah CO₂.

Panduan untuk menilai keberlanjutan produk adalah laporan resmi yang menjelaskan standar label lingkungan global dan bagaimana menafsirkan deklarasi lingkungan.

[Pelajari lebih lanjut tentang Green Premium >](#)

[Panduan untuk menilai keberlanjutan produk >](#)



Transparansi RoHS/REACH

Kinerja kesejahteraan

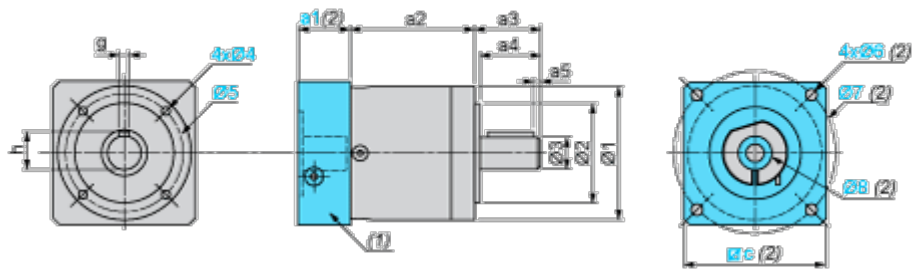
 Mercury Free	
 Rohs Exemption Information	Yes
 Pvc Free	

Sertifikasi & Standar

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

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
72	40	36	4	22.5	6	80	60 h7	20 h7	M6 x 10	70

Values in in.

a2	a3	a4	a5	h	g	Ø1	Ø2	Ø3	Ø4	Ø5
2.83	1.57	1.42	0.16	0.89	0.24	3.15	2.36 h7	0.79 h7	M6 x 0.39	2.76