GBY080003K

angular gearbox straight teeth GBY, Lexium, 80mm, reduction 3:1, 13arc.min, 40N.m





Main

Range compatibility	Lexium 52 Lexium 62 ILM Lexium SD3 Lexium 32 Lexium ILS Lexium 62
Gear box type	Straight teeth
Product or component type	Angular planetary gearbox
Device short name	GBY
Product compatibility	BMI (70 mm, 2 motor stacks) BMI (70 mm, 3 motor stacks) BMH (70 mm, 3 motor stacks) BSH (70 mm, 3 motor stacks) BSH (70 mm, 3 motor stacks) BMH (100 mm, 1 motor stacks) BSH (100 mm, 2 motor stacks) BSH (100 mm, 2 motor stacks) BSH (100 mm, 2 motor stacks) BSS3 ILS (85 mm, 1 motor stacks) ILS (85 mm, 2 motor stacks) ILS (85 mm, 3 motor stacks) SH3 MH3 ILM
Gearbox external diameter	80 mm
Reduction ratio	3:1

Complementary

13 arc.min
6 N.m/arcmin
Black
Black anodized aluminium
C 45
Lubricated for life
30000 h at 100 rpm at 30 °C
Any position
94 %
650 N at 100 rpm, force applied at mid-distance from output shaft during 30000 hour at 30 $^{\circ}\text{C}$
1200 N at 100 rpm, during 30000 hour at 30°C
1.189 kg.cm²
40 N.m at 100 rpm at 30 °C
64 N.m at 100 rpm at 30 °C
4.4 kg
19.0 mm

Environment

Noise level	73 dB at 1 m, no-load
IP degree of protection	Shaft output: IP54
Ambient temperature for operation	-2590 °C

Life Is On Schneider

Packing Units

0	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	10.5 cm
Package 1 Width	10.0 cm
Package 1 Length	20.5 cm
Package 1 Weight	3.639 kg
Unit Type of Package 2	S03
Number of Units in Package 2	2
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	7.991 kg

Offer Sustainability

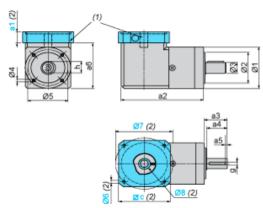
Sustainable offer status	Green Premium product
REACh Regulation	☑ REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	☑ China RoHS Declaration
RoHS exemption information	₫Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations
PVC free	Yes

Contractual warranty

Warranty	18 months
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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	а6
144	40	36	4	22.5	6	80	60 h7	20 h7	M6 x 10	70	88.3

Values in in.

a2	a3	a4	a5	h	g	Ø1	Ø2	Ø3	Ø4	Ø5	a6
5.67	1.57	1.42	0.15	0.88	0.23	315	2.36 h7	0.78 h7	M6 x 0.39	2.76	3.48