

servo motor BCH, no oil seal, w key, 20-bit encoder, w/o brake-straight con

BCH0802O12A1C

- ! Discontinued on: 31-Dec-2023
- ! End-of-service on: 31-Dec-2023

Discontinued - Service only

Main

Range Compatibility	Lexium 23 Plus			
Device Short Name	ВСН			
Product Or Component Type	Servo motor			

Complementary

Complemental y				
Maximum Mechanical Speed	5000 rpm			
[Us] Rated Supply Voltage	220 V			
Network Number Of Phases	Single phase			
Continuous Stall Current	5.1 A			
Continuous Power	0.75 kW			
Shaft End	Keyed			
Second Shaft	Without second shaft end			
Shaft Diameter	19 mm			
Shaft Length	37 mm			
Key Width	6 mm			
Feedback Type	20 bits incremental encoder			
Holding Brake	Without			
Mounting Support	Asian standard flange			
Motor Flange Size	80 mm			
Torque Constant	0.47 N.m/A			
Back Emf Constant	17.2 V/krpm at 20 °C			
Rotor Inertia	1.13 kg.cm²			
Stator Resistance	0.84 Ohm at 20 °C			
Stator Inductance	7.06 mH at 20 °C			
Stator Electrical Time Constant	8.37 ms at 20 °C			
Maximum Radial Force Fr	245 N			
Maximum Axial Force Fa	98 N			
Brake Pull-In Power	8.2 W			
Type Of Cooling	Natural convection			
Length	138.3 mm			

Number Of Motor Stacks	2
Centring Collar Diameter	70 mm
Centring Collar Depth	3 mm
Number Of Mounting Holes	4
Mounting Holes Diameter	6.6 mm
Circle Diameter Of The Mounting Holes	90 mm
Distance Shaft Shoulder-Flange	29.5 mm
Net Weight	3 kg

Environment

Ip Degree Of Protection	IP40			
Ambient Air Temperature For Operation	040 °C			

Packing Units

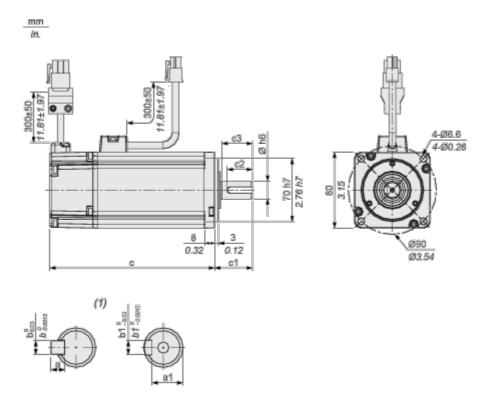
Unit Type Of Package 1	PCE			
Number Of Units In Package 1	1			
Package 1 Height	18.6 cm			
Package 1 Width	14.2 cm			
Package 1 Length	25.7 cm			
Package 1 Weight	3.286 kg			

Contractual warranty

Warranty 18 months

Dimensions Drawings

Dimensions



(1) Shaft end, keyed slot (optional)

Dimensions in mm

Dillie	Difficusions in film										
Ø	а	a1	b	b1	c (without holding brake)	c (with holding brake)	с1	c2	с3		
19	6	15.5	6	6	130.7	166.8	35	25	29.5		

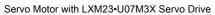
Dimensions in in.

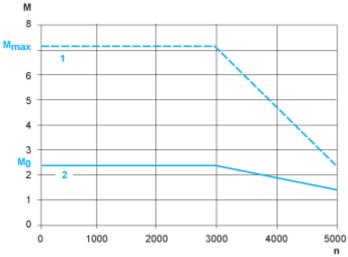
Ø	а	a1	b	b1	c (without holding brake)	c (with holding brake)	c1	c2	с3
0.75	0.24	0.61	0.24	0.24	5.14	6.57	1.38	0.98	1.16

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Performance Curves

Torque/Speed Curves with 220 V Single Phase Supply Voltage





M: Torque in Nm

n: Speed in rpm

1: Peak torque

2: Continuous torque