

Commercial status

End of Commercialisation :

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Main

Range compatibility	Lexium 23 Plus
Product or component type	Servo motor
Device short name	BCH

Complementary

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	With
Holding torque	2.5 N.M
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	1.18 Kg.Cm ²
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	178 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	3.8 Kg

Environment

IP degree of protection	IP40
Ambient air temperature for operation	0...40 °C

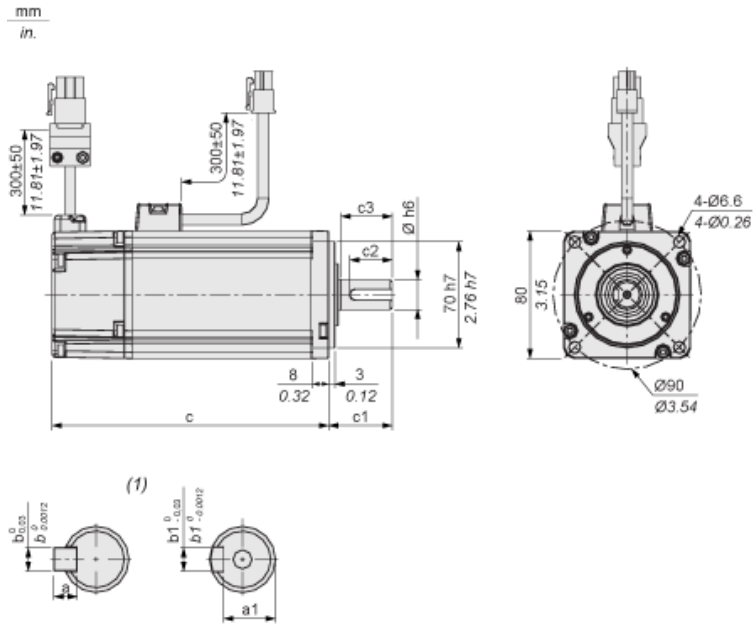
Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	16.0 Cm
Package 1 Width	23.0 Cm
Package 1 Length	30.0 Cm
Package 1 Weight	4.207 Kg
Unit Type of Package 2	S06
Number of Units in Package 2	12
Package 2 Height	73.5 Cm
Package 2 Width	60.0 Cm
Package 2 Length	80.0 Cm
Package 2 Weight	63.484 Kg

Contractual warranty

Warranty	18 months
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Dimensions



(1) Shaft end, keyed slot (optional)

Dimensions in mm

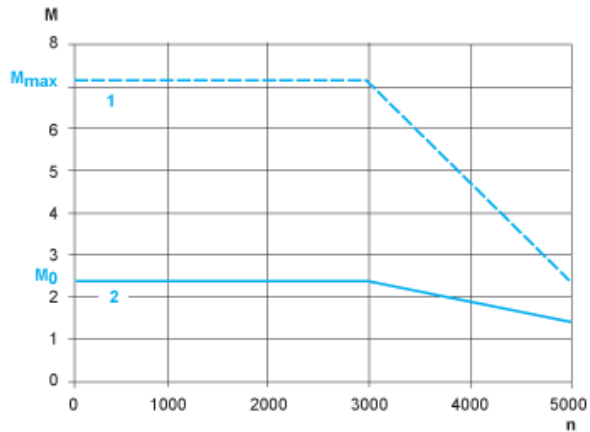
Ø	a	a1	b	b1	c (without holding brake)	c (with holding brake)	c1	c2	c3
19	6	15.5	6	6	130.7	166.8	35	25	29.5

Dimensions in in.

Ø	a	a1	b	b1	c (without holding brake)	c (with holding brake)	c1	c2	c3
0.75	0.24	0.61	0.24	0.24	5.14	6.57	1.38	0.98	1.16

Torque/Speed Curves with 220 V Single Phase Supply Voltage

Servo Motor with LXM23-U07M3X Servo Drive



M : Torque in Nm
n : Speed in rpm
1 : Peak torque
2 : Continuous torque

Product Life Status : **Post commercialisation**

BCH0802O12F1C may be replaced by any of the following products:



BCH2LF0730CF5C

servo motor BCH, 80mm, 750W, no oil seal, smooth, brake, leads con

Qty 1

Substitution date: |