



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	1.55 A
Continuous power	0.2 kW
Shaft end	Keyed
Second shaft	Without second shaft end
Shaft diameter	14 mm
Shaft length	24 mm
Key width	5 mm
Feedback type	20 bits incremental encoder
Holding brake	Without
Mounting support	Asian standard flange
Motor flange size	60 mm
Torque constant	0.41 N.m/A
Back emf constant	17.4 V/krpm at 20 °C
Rotor inertia	0.177 kg.cm ²
Stator resistance	5.58 Ohm at 20 °C
Stator inductance	24.14 mH at 20 °C
Stator electrical time constant	4.3 ms at 20 °C
Maximum radial force Fr	196 N
Maximum axial force Fa	68 N
Brake pull-in power	6.5 W
Type of cooling	Natural convection
Length	105.5 mm
Number of motor stacks	1

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Centring collar diameter	50 mm
Centring collar depth	3 mm
Number of mounting holes	4
Mounting holes diameter	5.5 mm
Circle diameter of the mounting holes	70 mm
Distance shaft shoulder-flange	24 mm
Product weight	1.2 kg

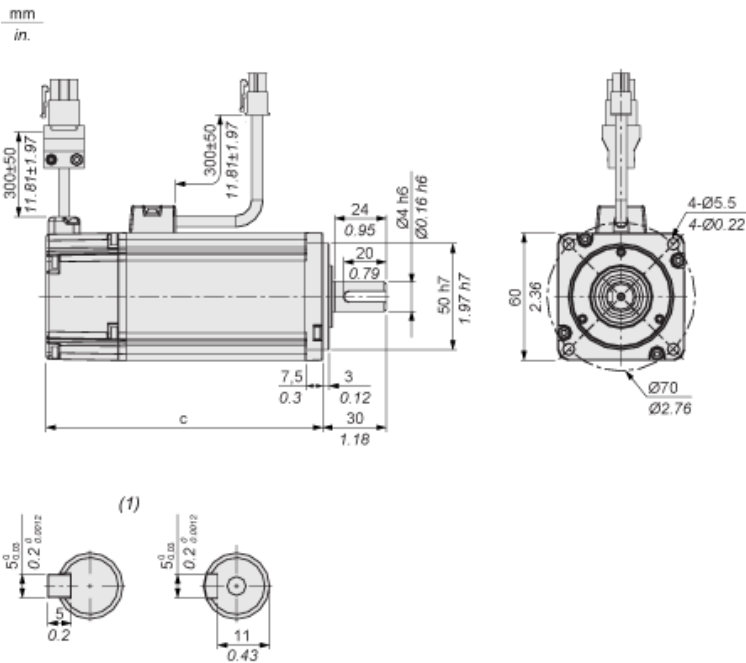
Environment

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

Contractual warranty

Warranty	18 months
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Dimensions



(1) Shaft end, keyed slot (optional)

Dimensions in mm

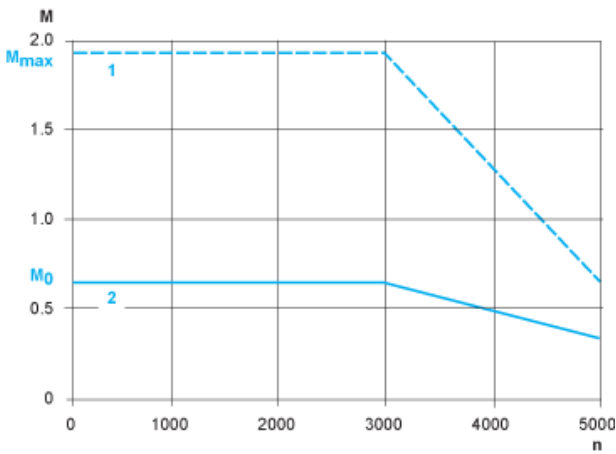
c (without holding brake)	c (with holding brake)
105.5	141.6

Dimensions in in.

c (without holding brake)	c (with holding brake)
4.15	5.57

Torque/Speed Curves with 220 V Single Phase Supply Voltage

Servo Motor with LXM23•U02M3X Servo Drive



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