



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	Smooth shaft
Second shaft	Without second shaft end
Shaft diameter	14 mm
Shaft length	24 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
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

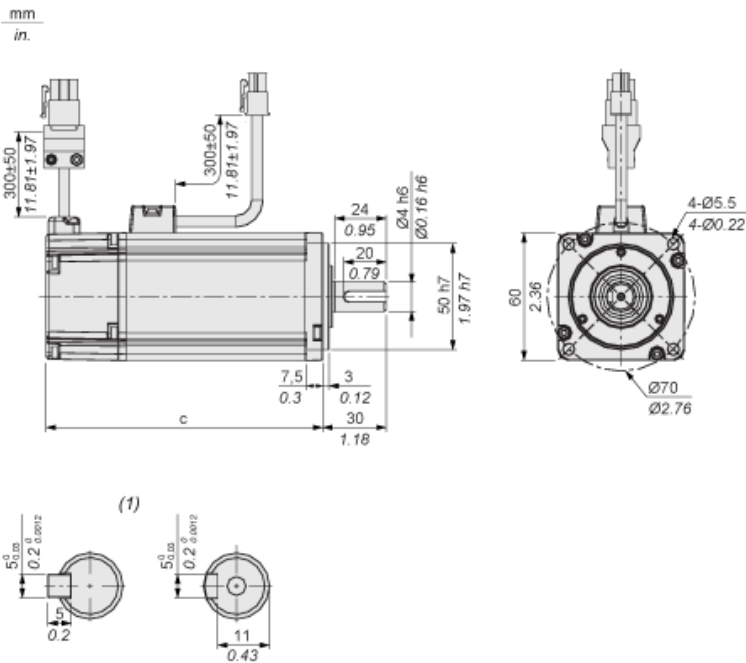
Environment

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

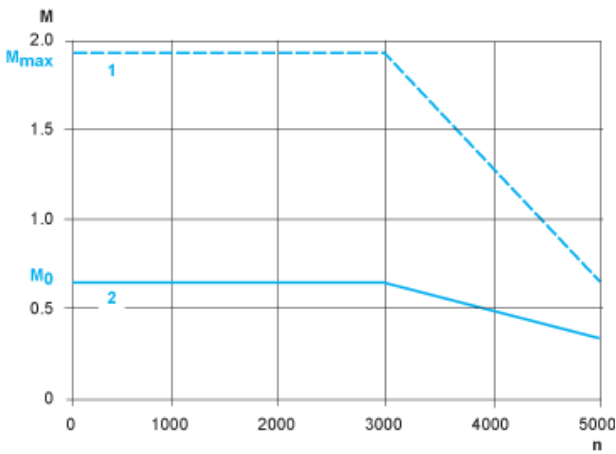
c (without holding brake)	c (with holding brake)
105.5	141.6

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