



Main

Product or component type	Servo motor
Device short name	BCH

Complementary

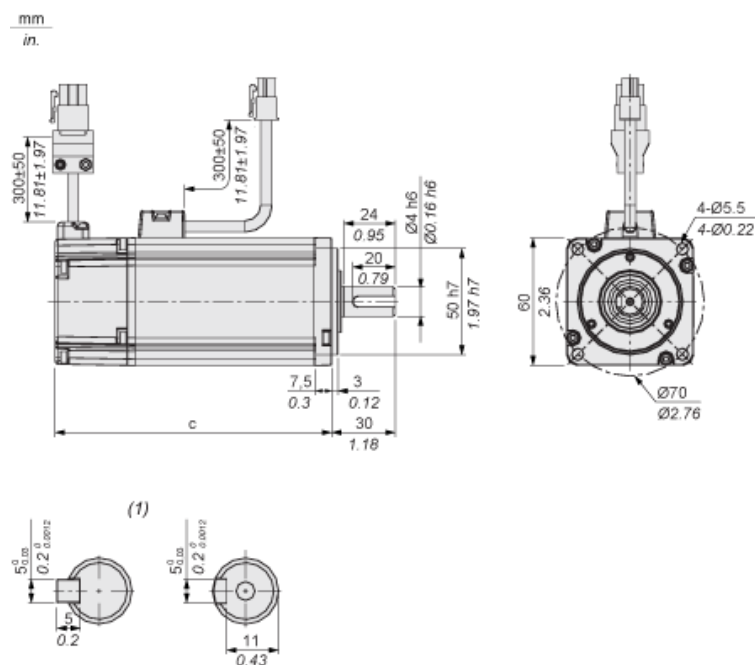
Range compatibility	Lexium 23 Plus
Maximum mechanical speed	5000
[Us] rated supply voltage	220 V
Network number of phases	Single phase
Continuous stall current	2.6 A
Continuous stall torque	1.27 N.m for LXM23 at 0.4 kW 220 V single phase
Continuous power	0.4 kW
Peak stall torque	3.82 N.m for LXM23 at 0.4 kW 220 V single phase
Nominal output power	400 W for LXM23 at 0.4 kW 220 V single phase
Nominal torque	1.27 N.m for LXM23 at 0.4 kW 220 V single phase
Nominal speed	3000 rpm for LXM23 at 220 V single phase
Maximum current Irms	7.8 A for LXM23 at 0.4 kW 220 V single phase
Product compatibility	Servo drive for LXM23 at 0.4 kW 220 V single phase Servo drive for LXM23 at 0.4 kW 220 V three phase
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
Electrical connection	Flying leads
Torque constant	0.49 N.m/A
Back emf constant	17.4 V/krpm at 20 °C
Rotor inertia	0.277 kg.cm ²
Stator resistance	3.1 Ohm at 20 °C
Stator inductance	13.42 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	130.7 mm

Number of motor stacks	2
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	1.6 kg

Environment

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

Dimensions



(1) Shaft end, keyed slot (optional)

Dimensions in mm

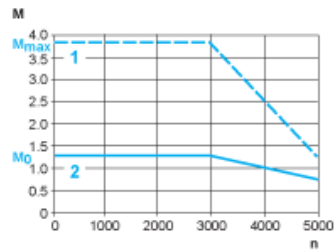
c (without holding brake)	c (with holding brake)
130.7	166.8

Dimensions in in.

c (without holding brake)	c (with holding brake)
5.14	6.57

Torque/Speed Curves with 220 V Single Phase Supply Voltage

Servo Motor with LXM23•U04M3X Servo Drive



M : Torque in Nm

n : Speed in rpm

1 : Peak torque

2 : Continuous torque