BCH2LD0233CA5C

servo motor BCH - 60mm - 200W - w oil seal - w key - leads con





Main

Range compatibility	Lexium 28
Device short name	BCH2
Product or component type	Servo motor

Complementary

Maximum mechanical speed	5000 rpm
[Us] rated supply voltage	220 V 110 V
Network number of phases	Single phase Three phase
Continuous stall current	1.11 A
Continuous stall torque	0.64 N.M for LXM26D at 1.5 A, 220 V, single phase 0.64 N.M for LXM26D at 1.5 A, 220 V, three phase 0.64 N.M for LXM28 at 1.5 A, 220 V, single phase 0.64 N.M for LXM28 at 1.5 A, 220 V, three phase 0.64 N.m for LXM28 at 3.6 A, 110 V, single phase
Continuous power	200 W
Peak stall torque	1.92 N.M for LXM26D at 1.5 A, 220 V, single phase 1.92 N.M for LXM26D at 1.5 A, 220 V, three phase 1.92 N.M for LXM28 at 1.5 A, 220 V, single phase 1.92 N.M for LXM28 at 1.5 A, 220 V, three phase 1.92 N.m for LXM28 at 3.6 A, 110 V, single phase
Nominal output power	200 W for LXM26D at 1.5 A, 220 V, single phase 200 W for LXM26D at 1.5 A, 220 V, three phase 200 W for LXM28 at 1.5 A, 220 V, single phase 200 W for LXM28 at 1.5 A, 220 V, three phase 200 W for LXM28 at 3.6 A, 110 V, single phase
Nominal torque	0.64 N.M for LXM26D at 1.5 A, 220 V, single phase 0.64 N.M for LXM26D at 1.5 A, 220 V, three phase 0.64 N.M for LXM28 at 1.5 A, 220 V, single phase 0.64 N.M for LXM28 at 1.5 A, 220 V, three phase 0.64 N.m for LXM28 at 3.6 A, 110 V, single phase
Nominal speed	3000 rpm for LXM26D at 1.5 A, 220 V, single phase 3000 rpm for LXM26D at 1.5 A, 220 V, three phase 3000 rpm for LXM28 at 1.5 A, 220 V, single phase 3000 rpm for LXM28 at 1.5 A, 220 V, three phase 3000 rpm for LXM28 at 3.6 A, 110 V, single phase
Maximum current Irms	4.31 A for LXM28 at 0.2 kW, 220 V 4.31 A for LXM28 at 0.2 kW, 110 V
Maximum permanent current	1.3 A
Product compatibility	LXM26D servo drive motor at 0.2 kW, 220 V, single phase LXM26D servo drive motor at 0.2 kW, 220 V, three phase LXM28 servo drive motor at 0.2 kW, 220 V, single phase LXM28 servo drive motor at 0.2 kW, 220 V, three phase LXM28 servo drive motor at 0.2 kW, 110 V, single phase
Shaft end	Keyed

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Shaft diameter	14 mm
Shaft length	30 mm
Key width	5 mm
Feedback type	20 bits single turn absolute encoder
Holding brake	Without
Mounting support	Asian standard flange
Motor flange size	60 mm
Electrical connection	Free lead
Torque constant	0.58 N.m/A at 20 °C
Back emf constant	35 V/krpm at 20 °C
Rotor inertia	0.16 kg.cm²
Stator resistance	12.2 Ohm at 20 °C
Stator inductance	22.5 mH at 20 °C
Stator electrical time constant	1.84 ms at 20 °C
Maximum radial force Fr	200 N at 3000 rpm
Maximum axial force Fa	70 N
Brake pull-in power	11.2 W
Type of cooling	Natural convection
Length	104 mm
Number of motor stacks	1
Centring collar diameter	50 mm
Centring collar depth	5.5 mm
Number of mounting holes	4
Mounting holes diameter	5.5 mm
Circle diameter of the mounting holes	70 mm
Distance shaft shoulder-flange	5.5 mm
Net weight	1.02 kg

Environment

IP degree of protection	IP50 IM V3 IP65 IM B5, IM V1
Ambient air temperature for operation	-2040 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	11.484 cm
Package 1 Width	14.736 cm
Package 1 Length	26.812 cm
Package 1 Weight	1.461 kg
Unit Type of Package 2	S06
Number of Units in Package 2	40
Package 2 Height	73.5 cm
Package 2 Width	60.0 cm
Package 2 Length	80.0 cm
Package 2 Weight	67.0 kg

Offer Sustainability

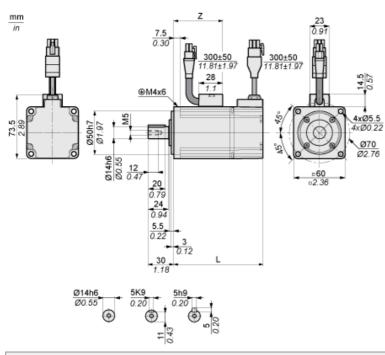
Sustainable offer status	Green Premium product	
REACh Regulation	☑ REACh Declaration	
REACh free of SVHC	Yes	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)	
Mercury free	Yes	
China RoHS Regulation	[™] China RoHS Declaration	

RoHS exemption information	₽¥Yes	
Environmental Disclosure	Product Environmental Profile	
Circularity Profile	End Of Life Information	
WEEE	The product must be disposed on European Union markets following speci waste collection and never end up in rubbish bins	
PVC free	Yes	

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Dimensions

Dimensions of Motor

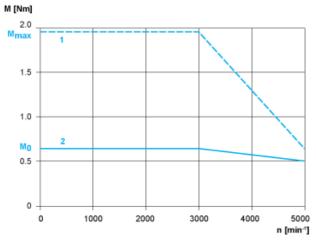


	mm	in.
L (without holding brake)	104	4.09
L (with holding brake)	140	5.51
Z	57	2.24

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Torque/Speed Curves with 230 V Single/Three Phase Supply Voltage

Servo Motor with LXM28AU02●●● Servo Drive



- 1: Peak torque
- 2: Continuous torque