Product datasheet





servo motor BCH, Lexium 28, 130mm, 600W, 6.91kg.cm², with oil seal, with key, brake, straight connection

BCH2MM0613CF6C



! Discontinued on: Aug 27, 2020

(!) Discontinued

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

Complementary

Maximum mechanical speed	3000 rpm
[Us] rated supply voltage	220 V
	110 V
Network number of phases	Single phase
	Three phase
Continuous stall current	3.77 A
Continuous stall torque	5.73 N.m for LXM26D at 4.5 A, 220 V, single phase
	5.73 N.m for LXM26D at 4.5 A, 220 V, three phase
	5.73 N.m for LXM28 at 4.5 A, 220 V, single phase
	5.73 N.m for LXM28 at 4.5 A, 220 V, three phase
	5.73 N.m for LXM28 at 9 A, 110 V, single phase
Continuous power	600 W
Peak stall torque	17.19 N.m for LXM26D at 4.5 A, 220 V, single phase
	17.19 N.m for LXM26D at 4.5 A, 220 V, three phase
	17.19 N.m for LXM28 at 4.5 A, 220 V, single phase
	17.19 N.m for LXM28 at 4.5 A, 220 V, three phase
	17.19 N.m for LXM28 at 9 A, 110 V, single phase
Nominal output power	600 W for LXM26D at 4.5 A, 220 V, single phase
	600 W for LXM26D at 4.5 A, 220 V, three phase
	600 W for LXM28 at 4.5 A, 220 V, single phase
	600 W for LXM28 at 4.5 A, 220 V, three phase
	600 W for LXM28 at 9 A, 110 V, single phase
Nominal torque	5.73 N.m for LXM26D at 4.5 A, 220 V, single phase
·	5.73 N.m for LXM26D at 4.5 A, 220 V, three phase
	5.73 N.m for LXM28 at 4.5 A, 220 V, single phase
	5.73 N.m for LXM28 at 4.5 A, 220 V, three phase
	5.73 N.m for LXM28 at 9 A, 110 V, single phase
Nominal speed	1000 rpm for LXM26D at 4.5 A, 220 V, single phase
Nonmar opeca	1000 rpm for LXM26D at 4.5 A, 220 V, three phase
	1000 rpm for LXM28 at 4.5 A, 220 V, single phase
	1000 rpm for LXM28 at 4.5 A, 220 V, three phase
	1000 rpm for LXM28 at 9 A, 110 V, single phase
Maximum current Irms	13.44 A for LXM28 at 0.6 kW, 220 V
	13.44 A for LXM28 at 0.6 kW, 110 V
Maximum permanent current	4.1 A
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Product compatibility	LXM26D servo drive motor at 0.6 kW, 220 V, single phase LXM26D servo drive motor at 0.6 kW, 220 V, three phase LXM28 servo drive motor at 0.6 kW, 220 V, single phase LXM28 servo drive motor at 0.6 kW, 220 V, three phase LXM28 servo drive motor at 0.6 kW, 110 V, single phase	
Shaft end	Keyed	
Shaft diameter	22 mm	
Shaft length	45 mm	
Key width	8 mm	
Feedback type	20 bits single turn absolute encoder	
Holding brake	With	
Holding torque	9.6 N.m built-in	
mounting support	Asian standard flange	
Motor flange size	130 mm	
Electrical connection	Connector MIL	
Torque constant	1.52 N.m/A at 20 °C	
Back emf constant	92 V/krpm at 20 °C	
Rotor inertia	6.91 kg.cm ²	
Stator resistance	1.93 Ohm at 20 °C	
Stator inductance	24.9 mH at 20 °C	
Stator electrical time constant	12.9 ms at 20 °C	
Maximum radial force Fr	670 N at 1000 rpm	
Maximum axial force Fa	200 N	
Brake pull-in power	19.7 W	
Type of cooling	Natural convection	
Length	183 mm	
Number of motor stacks	1	
Centring collar diameter	110 mm	
Centring collar depth	8 mm	
Number of mounting holes	4	
Mounting holes diameter	9.2 mm	
Circle diameter of the mounting holes	145 mm	
Distance shaft shoulder-flange	8 mm	
Net weight	8.2 kg	

Environment

IP degree of protection	IP50 IM V3 IP65 IM B5, IM V1
Ambient air temperature for operation	040 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Package 1 Height	18.1 cm
Package 1 Width	23 cm
Package 1 Length	36 cm
Package 1 Weight	9360 g



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Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

Ø	Reach Free Of Svhc	
Ø	Mercury Free	
Ø	Rohs Exemption Information	Yes
⊘	Pvc Free	

Certifications & Standards

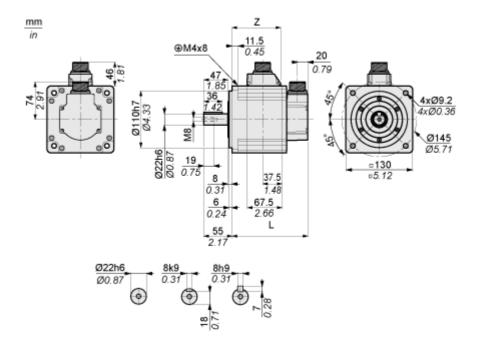
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information

BCH2MM0613CF6C

Dimensions Drawings

Dimensions

Dimensions of Motor

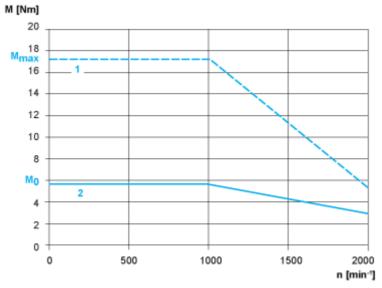


	mm	in.
L (without holding brake)	147	5.79
L (with holding brake)	183	7.2
Z	94.5	3.72

Performance Curves

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

Servo Motor with LXM28AU02●●● Servo Drive



- 1: Peak torque
- 2: Continuous torque