BCH2MM0813CA6C

servo motor BCH, Lexium 28, 130mm, 850W, 13.5kg.cm², with oil seal, with key, straight connection





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	
Network number of phases	Single phase Three phase	
Continuous stall current	5.62 A	
Continuous stall torque	5.39 N.M for LXM26D at 7 A, 220 V, single phase 5.39 N.M for LXM26D at 7 A, 220 V, three phase 5.39 N.M for LXM28 at 7 A, 220 V, single phase 5.39 N.m for LXM28 at 7 A, 220 V, three phase	
Continuous power	850 W	
Peak stall torque	13.8 N.M for LXM26D at 7 A, 220 V, single phase 13.8 N.M for LXM26D at 7 A, 220 V, three phase 13.8 N.M for LXM28 at 7 A, 220 V, single phase 13.8 N.m for LXM28 at 7 A, 220 V, three phase	
Nominal output power	850 W for LXM26D at 7 A, 220 V, single phase 850 W for LXM26D at 7 A, 220 V, three phase 850 W for LXM28 at 7 A, 220 V, single phase 850 W for LXM28 at 7 A, 220 V, three phase	
Nominal torque	5.39 N.M for LXM26D at 7 A, 220 V, single phase 5.39 N.M for LXM26D at 7 A, 220 V, three phase 5.39 N.M for LXM28 at 7 A, 220 V, single phase 5.39 N.m for LXM28 at 7 A, 220 V, three phase	
Nominal speed	1500 rpm for LXM26D at 7 A, 220 V, single phase 1500 rpm for LXM26D at 7 A, 220 V, three phase 1500 rpm for LXM28 at 7 A, 220 V, single phase 1500 rpm for LXM28 at 7 A, 220 V, three phase	
Maximum current Irms	14.96 A for LXM28 at 0.85 kW, 220 V	
Maximum permanent current	6.29 A	
Product compatibility	LXM26D servo drive motor at 0.85 kW, 220 V, single phase LXM26D servo drive motor at 0.85 kW, 220 V, three phase LXM28 servo drive motor at 0.85 kW, 220 V, single phase LXM28 servo drive motor at 0.85 kW, 220 V, three phase	
Shaft end	Keyed	
Shaft diameter	19 mm	
Shaft length	55 mm	
Key width	8 mm	
Feedback type	20 bits single turn absolute encoder	
Holding brake	Without	

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.

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.

It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Mounting support	Asian standard flange
Motor flange size	130 mm
Electrical connection	Connector MIL
Torque constant	0.96 N.m/A at 20 °C
Back emf constant	58 V/krpm at 20 °C
Rotor inertia	13.5 kg.cm²
Stator resistance	0.34 Ohm at 20 °C
Stator inductance	4.5 mH at 20 °C
Stator electrical time constant	13.24 ms at 20 °C
Maximum radial force Fr	670 N at 1500 rpm
Maximum axial force Fa	200 N
Brake pull-in power	19.7 W
Type of cooling	Natural convection
Length	187 mm
Number of motor stacks	4
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	9.6 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	18.1 cm	
Package 1 Width	23 cm	
Package 1 Length	36 cm	
Package 1 Weight	19970 g	

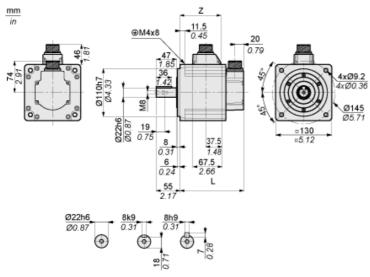
Offer Sustainability

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 specific waste collection and never end up in rubbish bins	
PVC free	Yes	

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Dimensions

Dimensions of Motor

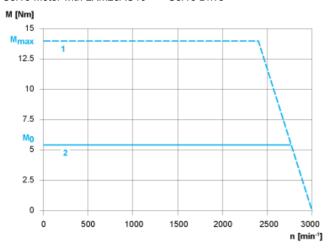


	mm	in.
L (without holding brake)	187	7.36
L (with holding brake)	216	8.5
Z	134.5	5.30

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

Servo Motor with LXM28AU10●●● Servo Drive



- 1: Peak torque
- 2: Continuous torque