# Product data sheet

Specifications





# servo motor BCH, Lexium 28, 130mm, 600W, 6.63kg.cm<sup>2</sup>, with oil seal, with key, straight connection

BCH2MM0613CA6C

Product availability: Non-Stock - Not normally stocked in distribution facility

#### Price\*: 1,489.68 USD

#### 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	
Phase	Three phase Single phase	
Continuous stall current	3.77 A	
Continuous stall torque	50.71 lbf.in (5.73 N.m) LXM26D 4.5 A, 220 V, single phase 50.71 lbf.in (5.73 N.m) LXM26D 4.5 A, 220 V, three phase 50.71 lbf.in (5.73 N.m) LXM28 4.5 A, 220 V, single phase 50.71 lbf.in (5.73 N.m) LXM28 4.5 A, 220 V, three phase 50.71 lbf.in (5.73 N.m) LXM28 9 A, 110 V, single phase	
Continuous power	600 W	
Peak stall torque	152.14 lbf.in (17.19 N.m) LXM26D 4.5 A, 220 V, single phase 152.14 lbf.in (17.19 N.m) LXM26D 4.5 A, 220 V, three phase 152.14 lbf.in (17.19 N.m) LXM28 4.5 A, 220 V, single phase 152.14 lbf.in (17.19 N.m) LXM28 4.5 A, 220 V, three phase 152.14 lbf.in (17.19 N.m) LXM28 9 A, 110 V, single phase	
Nominal output power	600 W LXM26D 4.5 A, 220 V, single phase 600 W LXM26D 4.5 A, 220 V, three phase 600 W LXM28 4.5 A, 220 V, single phase 600 W LXM28 4.5 A, 220 V, three phase 600 W LXM28 9 A, 110 V, single phase	
Nominal torque	50.71 lbf.in (5.73 N.m) LXM26D 4.5 A, 220 V, single phase 50.71 lbf.in (5.73 N.m) LXM26D 4.5 A, 220 V, three phase 50.71 lbf.in (5.73 N.m) LXM28 4.5 A, 220 V, single phase 50.71 lbf.in (5.73 N.m) LXM28 4.5 A, 220 V, three phase 50.71 lbf.in (5.73 N.m) LXM28 9 A, 110 V, single phase	
Nominal speed	1000 rpm LXM26D 4.5 A, 220 V, single phase 1000 rpm LXM26D 4.5 A, 220 V, three phase 1000 rpm LXM28 4.5 A, 220 V, single phase 1000 rpm LXM28 4.5 A, 220 V, three phase 1000 rpm LXM28 9 A, 110 V, single phase	
Maximum current Irms	13.44 A LXM28 0.6 kW, 220 V 13.44 A LXM28 0.6 kW, 110 V	
Maximum permanent current	4.1 A	

Price is "List Price" and may be subject to a trade discount - check with your local distributor or retailer for actual price.

Product compatibility	LXM26D servo drive 0.6 kW, 220 V, single phase LXM26D servo drive 0.6 kW, 220 V, three phase LXM28 servo drive 0.6 kW, 220 V, single phase LXM28 servo drive 0.6 kW, 220 V, three phase LXM28 servo drive 0.6 kW, 110 V, single phase
Shaft end	Keyed
Shaft diameter	0.9 in (22 mm)
Shaft length	1.8 in (45 mm)
Key width	0.3 in (8 mm)
Feedback type	20 bits single turn absolute encoder
Holding brake	Without
Mounting Support	Asian standard flange
Motor flange size	5.1 in (130 mm)
Electrical connection	Connector MIL
Torque constant	1.52 N.m/A 68 °F (20 °C)
Back emf constant	92 V/krpm 68 °F (20 °C)
Rotor inertia	6.63 kg.cm <sup>2</sup>
Stator resistance	1.93 Ohm 68 °F (20 °C)
Stator inductance	24.9 mH 68 °F (20 °C)
Stator electrical time constant	12.9 ms 68 °F (20 °C)
Maximum radial force Fr	670 N 1000 rpm
Maximum axial force Fa	200 N
Brake pull-in power	19.7 W
Type of cooling	Natural convection
Length	5.8 in (147 mm)
Number of motor stacks	1
Centring collar diameter	4.3 in (110 mm)
Centring collar depth	0.3 in (8 mm)
Number of mounting holes	4
Mounting holes diameter	0.4 in (9.2 mm)
Circle diameter of the mounting holes	5.7 in (145 mm)
Distance shaft shoulder-flange	0.3 in (8 mm)
Net Weight	15.4 lb(US) (7 kg)

### Environment

IP Degree of Protection	IP50 IM V3 IP65 IM B5, IM V1
Ambient Air Temperature for Operation	-4104 °F (-2040 °C)

# Ordering and shipping details

Category	US1PC5318281
Discount Schedule	PC53
GTIN	00785901829256

Returnability	No
Country of origin	CN

# **Packing Units**

-	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.1 in (18.1 cm)
Package 1 Width	9.06 in (23 cm)
Package 1 Length	14.2 in (36 cm)
Package 1 Weight	284.7 oz (8070 g)

## Sustainability Screen Premium

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

### Well-being performance

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

### **Certifications & Standards**

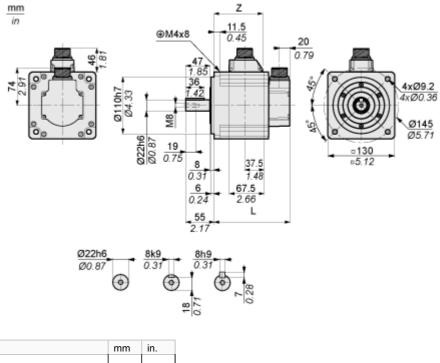
Reach Regulation	REACh Declaration Pro-active compliance (Product out of EU RoHS legal scope)	
Eu Rohs Directive		
China Rohs Regulation	China RoHS declaration	
Environmental Disclosure	Product Environmental Profile	
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.	
Circularity Profile	End of Life Information	
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov	

### Product data sheet

#### **Dimensions Drawings**

#### Dimensions

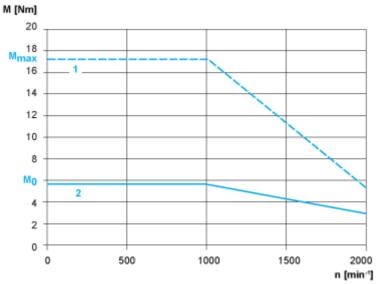
#### **Dimensions of Motor**



	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