# Product data sheet

Specifications





() Discontinued

## servo motor BCH, Lexium 28, 130mm, 600W, without oil seal, smooth, straight connection

BCH2MM0610CA6C

(Discontinued on: Oct 9, 2023

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

## Main

Range Compatibility	Lexium 28
Device short name	BCH2
Product or Component Type	Servo motor

## Complementary

3000 rpm	
220 V 110 V	
Single phase Three phase	
3.77 A	
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	
600 W	
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	
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	
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	
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	
13.44 A LXM28 0.6 kW, 220 V 13.44 A LXM28 0.6 kW, 110 V	
4.1 A	
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	
Smooth shaft	
0.9 in (22 mm)	
1.8 in (45 mm)	
20 bits single turn absolute encoder	

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

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	IP54 IM B5, IM V1 IP50 IM V3
Ambient Air Temperature for Operation	-4104 °F (-2040 °C)

## Ordering and shipping details

Category	US1PC5318281
Discount Schedule	PC53
GTIN	3606480734526
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 (23.0 cm)
Package 1 Length	14.2 in (36.0 cm)

Package 1 Weight

17.79 lb(US) (8.07 kg)

## 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

### **Certifications & Standards**

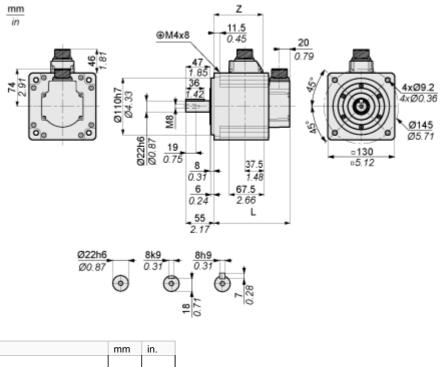
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) China RoHS declaration Product Environmental Profile	
China Rohs Regulation		
Environmental Disclosure		
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish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

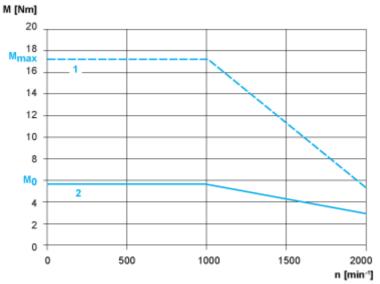
#### **Dimensions of Motor**



	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