Product datasheet

Specifications

servo motor BCH, Lexium 28, 130mm, 600W, without oil seal, with key, straight connection

BCH2MM0611CA6C

Discontinued on: 1 Nov 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	Three phase Single phase
Continuous stall current	3.77 A
Continuous stall torque	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 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 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 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 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
Product compatibility	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	Without
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	6.63 kg.cm²
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	147 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	7 kg

Environment

IP degree of protection	IP54 IM B5, IM V1 IP50 IM V3
Ambient air temperature for operation	-20…40 °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	23.0 cm
Package 1 Length	36.0 cm
Package 1 Weight	8.07 kg

Sustainability

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 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

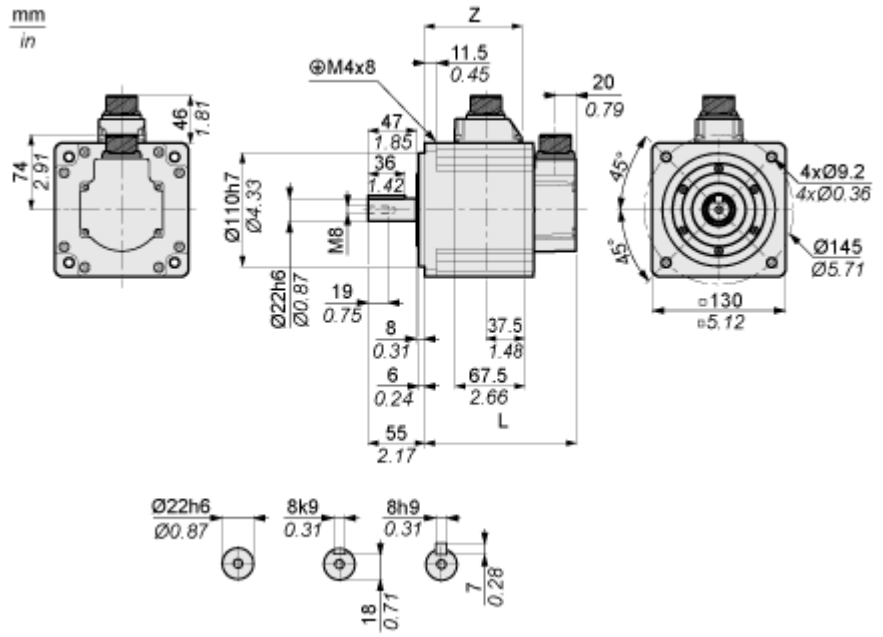
Certifications & Standards

Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs 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

Dimensions Drawings

Dimensions

Dimensions of Motor

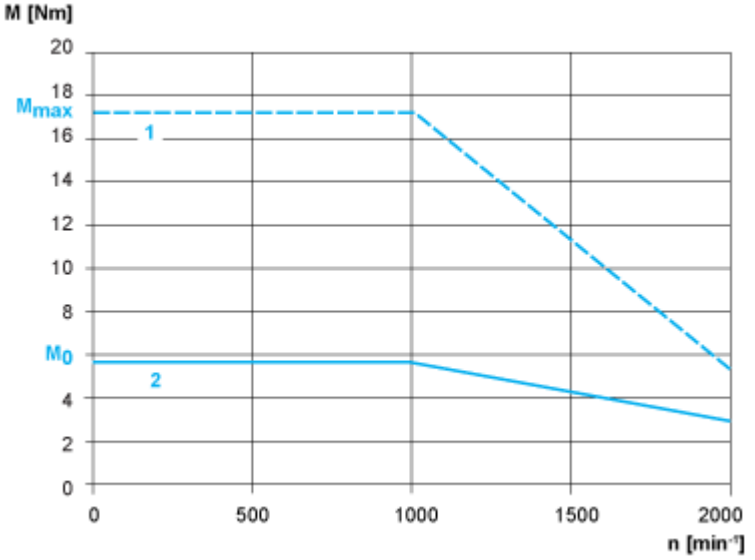


	mm	in.
L (without holding brake)	147	5.79
L (with holding brake)	183	7.2
Z	94.5	3.72

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