

# Product datasheet

Specifications



servo motor BCH. 80mm. 750W. w  
oil seal. w key. leads con

BCH2LF0733CA5C

**Price: 18,352.92 ZAR**

## Main

Range Compatibility	Lexium 28
Device Short Name	BCH2
Product Or Component Type	Servo motor

## Complementary

Maximum Mechanical Speed	5000 rpm
[Us] Rated Supply Voltage	220 V 110 V
Network Number Of Phases	Single phase Three phase
Continuous Stall Current	4.01 A
Continuous Stall Torque	2.39 N.m for LXM26D at 4.5 A, 220 V, single phase 2.39 N.m for LXM26D at 4.5 A, 220 V, three phase 2.39 N.m for LXM28... at 4.5 A, 220 V, single phase 2.39 N.m for LXM28... at 4.5 A, 220 V, three phase 2.39 N.m for LXM28... at 9 A, 110 V, single phase
Continuous Power	750 W
Peak Stall Torque	7.16 N.m for LXM26D at 4.5 A, 220 V, single phase 7.16 N.m for LXM26D at 4.5 A, 220 V, three phase 7.16 N.m for LXM28... at 4.5 A, 220 V, single phase 7.16 N.m for LXM28... at 4.5 A, 220 V, three phase 7.16 N.m for LXM28... at 9 A, 110 V, single phase
Nominal Output Power	750 W for LXM26D at 4.5 A, 220 V, single phase 750 W for LXM26D at 4.5 A, 220 V, three phase 750 W for LXM28... at 4.5 A, 220 V, single phase 750 W for LXM28... at 4.5 A, 220 V, three phase 750 W for LXM28... at 9 A, 110 V, single phase
Nominal Torque	2.39 N.m for LXM26D at 4.5 A, 220 V, single phase 2.39 N.m for LXM26D at 4.5 A, 220 V, three phase 2.39 N.m for LXM28... at 4.5 A, 220 V, single phase 2.39 N.m for LXM28... at 4.5 A, 220 V, three phase 2.39 N.m for LXM28... at 9 A, 110 V, single phase
Nominal Speed	3000 rpm for LXM26D at 4.5 A, 220 V, single phase 3000 rpm for LXM26D at 4.5 A, 220 V, three phase 3000 rpm for LXM28... at 4.5 A, 220 V, single phase 3000 rpm for LXM28... at 4.5 A, 220 V, three phase 3000 rpm for LXM28... at 9 A, 110 V, single phase
Maximum Current Irms	13.23 A for LXM28... at 0.75 kW, 220 V 13.23 A for LXM28... at 0.75 kW, 110 V
Maximum Permanent Current	4.29 A

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

<b>Product Compatibility</b>	LXM26D servo drive motor at 0.75 kW, 220 V, single phase LXM26D servo drive motor at 0.75 kW, 220 V, three phase LXM28... servo drive motor at 0.75 kW, 220 V, single phase LXM28... servo drive motor at 0.75 kW, 220 V, three phase LXM28... servo drive motor at 0.75 kW, 110 V, single phase
<b>Shaft End</b>	Keyed
<b>Shaft Diameter</b>	19 mm
<b>Shaft Length</b>	35 mm
<b>Key Width</b>	6 mm
<b>Feedback Type</b>	20 bits single turn absolute encoder
<b>Holding Brake</b>	Without
<b>Mounting Support</b>	Asian standard flange
<b>Motor Flange Size</b>	80 mm
<b>Electrical Connection</b>	Free lead
<b>Torque Constant</b>	0.6 N.m/A at 20 °C
<b>Back Emf Constant</b>	36 V/krpm at 20 °C
<b>Rotor Inertia</b>	1.19 kg.cm <sup>2</sup>
<b>Stator Resistance</b>	1.5 Ohm at 20 °C
<b>Stator Inductance</b>	6.1 mH at 20 °C
<b>Stator Electrical Time Constant</b>	4.07 ms at 20 °C
<b>Maximum Radial Force Fr</b>	332 N at 3000 rpm
<b>Maximum Axial Force Fa</b>	115 N
<b>Brake Pull-In Power</b>	10.2 W
<b>Type Of Cooling</b>	Natural convection
<b>Length</b>	138 mm
<b>Number Of Motor Stacks</b>	2
<b>Centring Collar Diameter</b>	70 mm
<b>Centring Collar Depth</b>	4 mm
<b>Number Of Mounting Holes</b>	4
<b>Mounting Holes Diameter</b>	6.6 mm
<b>Circle Diameter Of The Mounting Holes</b>	90 mm
<b>Distance Shaft Shoulder-Flange</b>	4 mm
<b>Net Weight</b>	2.8 kg

## Environment

<b>Ip Degree Of Protection</b>	IP50 IM V3 IP65 IM B5, IM V1
<b>Ambient Air Temperature For Operation</b>	-20...40 °C

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	14.054 cm

<b>Package 1 Width</b>	17.582 cm
<b>Package 1 Length</b>	29.819 cm
<b>Package 1 Weight</b>	3.372 kg
<b>Unit Type Of Package 2</b>	S06
<b>Number Of Units In Package 2</b>	24
<b>Package 2 Height</b>	73.5 cm
<b>Package 2 Width</b>	60.0 cm
<b>Package 2 Length</b>	80.0 cm
<b>Package 2 Weight</b>	92.0 kg

## Sustainability

**Green Premium™ 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<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](#)

**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

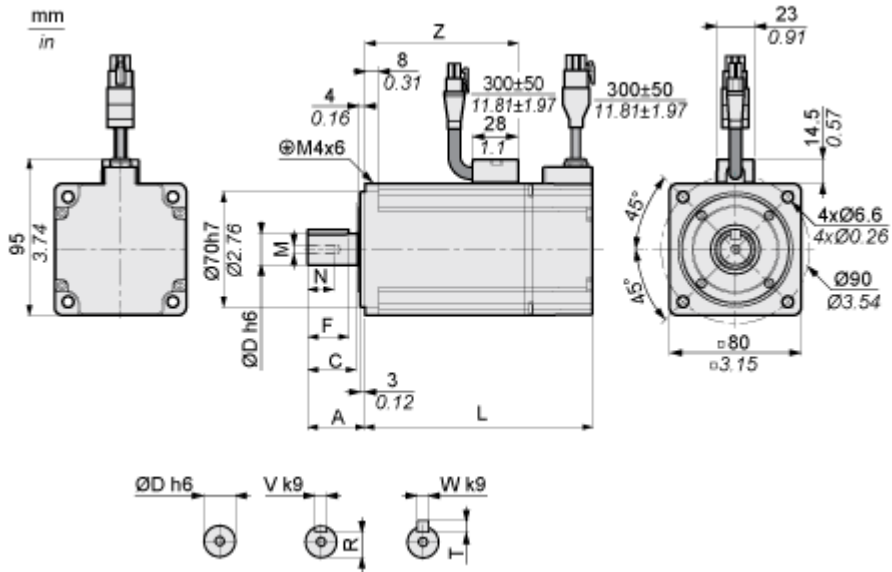
**Circularity Profile**

[End of Life Information](#)

Dimensions Drawings

Dimensions

Dimensions of Motor

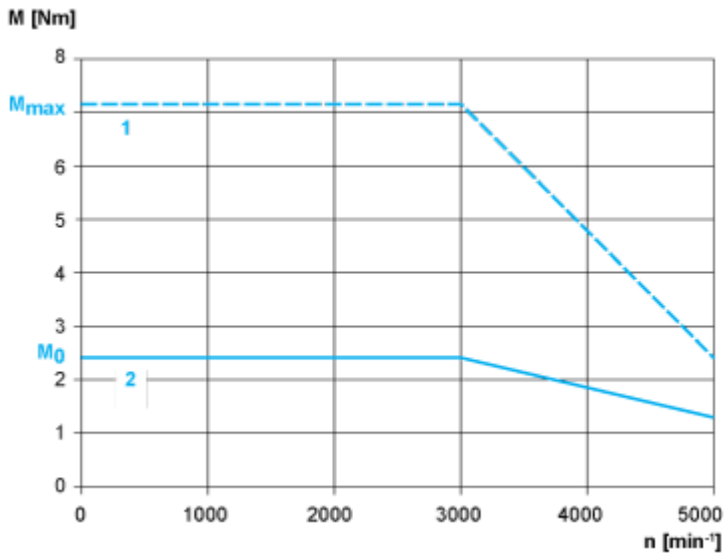


	mm	in.
L (without holding brake)	138	5.43
L (with holding brake)	178	7.01
A	35	1.38
C	29.5	1.16
D	19	0.75
F	25	0.98
R	15.5	0.61
T	6	0.24
V	6	0.24
W	6	0.24
Z	93	3.66

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