

servo motor BCH; Lexium 28; 130mm; 1500W; 10kg.cm²; with oil seal; with key; brake; straight connection

BCH2MM1523CF6C

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

Maximum mechanical speed	3000 rpm
[Us] rated supply voltage	220 V
Phase	Single phase Three phase
Continuous stall current	6.18 A
Continuous stall torque	63.37 lbf.in (7.16 N.m) LXM26D 7 A, 220 V, single phase 63.37 lbf.in (7.16 N.m) LXM26D 7 A, 220 V, three phase 63.37 lbf.in (7.16 N.m) LXM28 7 A, 220 V, single phase 63.37 lbf.in (7.16 N.m) LXM28 7 A, 220 V, three phase
Continuous power	1500 W
Peak stall torque	190.11 lbf.in (21.48 N.m) LXM26D 7 A, 220 V, single phase 190.11 lbf.in (21.48 N.m) LXM26D 7 A, 220 V, three phase 190.11 lbf.in (21.48 N.m) LXM28 7 A, 220 V, single phase 190.11 lbf.in (21.48 N.m) LXM28 7 A, 220 V, three phase
Nominal output power	1500 W LXM26D 7 A, 220 V, single phase 1500 W LXM26D 7 A, 220 V, three phase 1500 W LXM28 7 A, 220 V, single phase 1500 W LXM28 7 A, 220 V, three phase
Nominal torque	63.37 lbf.in (7.16 N.m) LXM26D 7 A, 220 V, single phase 63.37 lbf.in (7.16 N.m) LXM26D 7 A, 220 V, three phase 63.37 lbf.in (7.16 N.m) LXM28 7 A, 220 V, single phase 63.37 lbf.in (7.16 N.m) LXM28 7 A, 220 V, three phase
Nominal speed	2000 rpm LXM26D 7 A, 220 V, single phase 2000 rpm LXM26D 7 A, 220 V, three phase 2000 rpm LXM28 7 A, 220 V, single phase 2000 rpm LXM28 7 A, 220 V, three phase
Maximum current Irms	20.31 A LXM28 1.5 kW, 220 V
Maximum permanent current	6.74 A
Product compatibility	LXM26D servo drive 1.5 kW, 220 V, single phase LXM26D servo drive 1.5 kW, 220 V, three phase LXM28 servo drive 1.5 kW, 220 V, single phase LXM28 servo drive 1.5 kW, 220 V, three phase
Shaft end	Keyed
Shaft diameter	0.9 in (22 mm)

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

Shaft length	2.2 in (55 mm)
key width	0.3 in (8 mm)
Feedback type	20 bits single turn absolute encoder
Holding brake	With
Holding torque	85.0 lbf.in (9.6 N.m) built-in
Mounting Support	Asian standard flange
Motor flange size	5.1 in (130 mm)
Electrical connection	Connector MIL
Torque constant	1.16 N.m/A 68 °F (20 °C)
Back emf constant	70 V/krpm 68 °F (20 °C)
Number of motor poles	5.0
Rotor inertia	10 kg.cm²
Stator resistance	0.64 Ohm 68 °F (20 °C)
Stator inductance	6.4 mH 68 °F (20 °C)
Stator electrical time constant	10 ms 68 °F (20 °C)
Maximum radial force Fr	670 N 2000 rpm
Maximum axial force Fa	200 N
Brake pull-in power	19.7 W
type of cooling	Natural convection
Length	8.0 in (202 mm)
Number of motor stacks	3
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	19.4 lb(US) (8.8 kg)
Sizing reference	BCH2
Network number of phases	1
Accuracy error [angular]	0.044 °
Temperature copper hot	275 °F (135 °C)
Temperature magnet hot	212 °F (100 °C)
Temperature magnet rt	68 °F (20 °C)
Cu, inches and	
Environment	
IP Degree of Protection	IP50 IM V3 IP65 IM B5, IM V1

Ambient air temperature for $$32...104\ ^{\circ}F\ (0...40\ ^{\circ}C)$$ operation

Ordering and shipping details

Category	US1000I22000
Discount Schedule	0001
GTIN	3606480734359
Returnability	No
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	11.81 in (30.000 cm)
Package 1 Width	11.81 in (30.000 cm)
Package 1 Length	15.75 in (40.000 cm)
Package weight(Lbs)	23.995 lb(US) (10.884 kg)



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

☑ Environmental footprint	
Carbon footprint (kg CO2 eq, Total Life cycle)	7025
Environmental Disclosure	Product Environmental Profile

Use Better

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration
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
PVC free	Yes

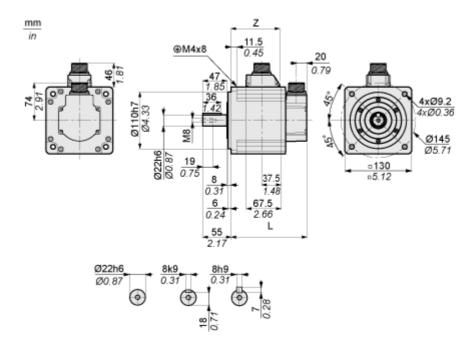
Use Again

○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No

Dimensions Drawings

Dimensions

Dimensions of Motor

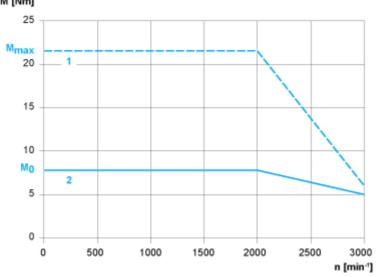


	mm	in.
L (without holding brake)	167	6.57
L (with holding brake)	202	7.95
Z	114.5	4.51

Performance Curves

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

Servo Motor with LXM28AU15●●● Servo Drive M [Nm]



- 1: Peak torque
- 2: Continuous torque