



Main

Range compatibility	Lexium 28
Product or component type	Servo motor
Device short name	BCH2

Complementary

Maximum mechanical speed	5000 rpm
[Us] rated supply voltage	220 V
Phase	Single phase Three phase
Continuous stall current	2.29 A
Continuous stall torque	1.27 N.m for LXM26D at 2.6 A, 220 V, single phase 1.27 N.m for LXM26D at 2.6 A, 220 V, three phase 1.27 N.m for LXM28... at 2.6 A, 220 V, single phase 1.27 N.m for LXM28... at 2.6 A, 220 V, three phase 1.27 N.m for LXM28... at 5.7 A, 110 V, single phase
Continuous power	400 W
Peak stall torque	3.81 N.m for LXM26D at 2.6 A, 220 V, single phase 3.81 N.m for LXM26D at 2.6 A, 220 V, three phase 3.81 N.m for LXM28... at 2.6 A, 220 V, single phase 3.81 N.m for LXM28... at 2.6 A, 220 V, three phase 3.81 N.m for LXM28... at 5.7 A, 110 V, single phase
Nominal output power	400 W for LXM26D at 2.6 A, 220 V, single phase 400 W for LXM26D at 2.6 A, 220 V, three phase 400 W for LXM28... at 2.6 A, 220 V, single phase 400 W for LXM28... at 2.6 A, 220 V, three phase 400 W for LXM28... at 5.7 A, 110 V, single phase
Nominal torque	1.27 N.m for LXM26D at 2.6 A, 220 V, single phase 1.27 N.m for LXM26D at 2.6 A, 220 V, three phase 1.27 N.m for LXM28... at 2.6 A, 220 V, single phase 1.27 N.m for LXM28... at 2.6 A, 220 V, three phase 1.27 N.m for LXM28... at 5.7 A, 110 V, single phase
Nominal speed	3000 rpm for LXM26D at 2.6 A, 220 V, single phase 3000 rpm for LXM26D at 2.6 A, 220 V, three phase 3000 rpm for LXM28... at 2.6 A, 220 V, single phase 3000 rpm for LXM28... at 2.6 A, 220 V, three phase 3000 rpm for LXM28... at 5.7 A, 110 V, single phase
Maximum current Irms	7.73 A for LXM28... at 0.4 kW, 220 V 7.73 A for LXM28... at 0.4 kW, 110 V
Maximum permanent current	2.52 A
Product compatibility	LXM26D servo drive motor at 0.4 kW, 220 V, single phase LXM26D servo drive motor at 0.4 kW, 220 V, three phase LXM28... servo drive motor at 0.4 kW, 220 V, single phase LXM28... servo drive motor at 0.4 kW, 220 V, three phase LXM28... servo drive motor at 0.4 kW, 110 V, single phase
Shaft end	Keyed
Shaft diameter	0.55 in (14 mm)
Shaft length	1.18 in (30 mm)
Key width	0.2 in (5 mm)
Feedback type	20 bits single turn absolute encoder

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Holding brake	With
Holding torque	22.12 lbf.in (2.5 N.m) built-in
Mounting support	Asian standard flange
Motor flange size	3.15 in (80 mm)
Electrical connection	Free lead
Torque constant	0.55 N.m/A at 20 °C
Back emf constant	33.5 V/krpm at 20 °C
Rotor inertia	0.72 kg.cm ²
Stator resistance	3.2 Ohm at 68 °F (20 °C)
Stator inductance	11.3 mH at 20 °C
Stator electrical time constant	3.53 ms at 20 °C
Maximum radial force Fr	332 N 3000 rpm
Maximum axial force Fa	115 N
Brake pull-in power	10.2 W
Type of cooling	Natural convection
Length	5.98 in (152 mm)
Number of motor stacks	1
Centring collar diameter	2.76 in (70 mm)
Centring collar depth	0.16 in (4 mm)
Number of mounting holes	4
Mounting holes diameter	0.26 in (6.6 mm)
Circle diameter of the mounting holes	3.54 in (90 mm)
Distance shaft shoulder-flange	0.16 in (4 mm)
Product weight	6.17 lb(US) (2.8 kg)

Environment

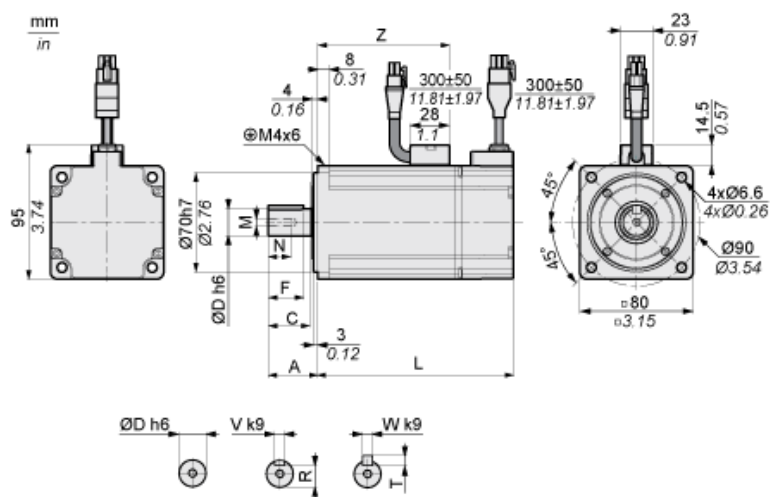
IP degree of protection	IP65 IM B5, IM V1 IP50 IM V3
ambient air temperature for operation	32...104 °F (0...40 °C)

Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 1442 - Schneider Electric declaration of conformity	Compliant - since 1442 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Need no specific recycling operations	Need no specific recycling operations

Dimensions

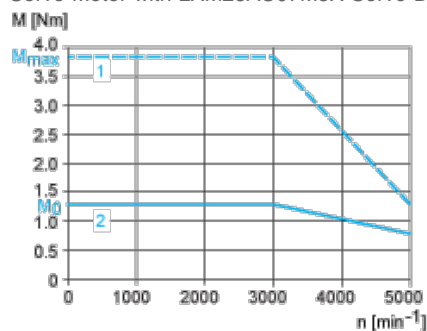
Dimensions of Motor



	mm	in.
L (without holding brake)	112	4.41
L (with holding brake)	152	5.98
A	30	1.18
C	24.5	0.96
D	14	0.55
F	20	0.79
R	11	0.43
T	5	0.2
V	5	0.2
W	5	0.2
Z	68	2.68

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

Servo Motor with LXM28AU07M3X Servo Drive



- 1 : Peak torque
- 2 : Continuous torque