



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 |
| Network number of phases | Three phase Single phase |
| Continuous stall current | 2.19 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 | 7.76 A for LXM28... at 0.4 kW, 220 V 7.76 A for LXM28... at 0.4 kW, 110 V |
| Maximum permanent current | 2.5 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 | 14 mm |
| Shaft length | 30 mm |
| Key width | 5 mm |
| Feedback type | 20 bits single turn absolute encoder |
| Holding brake | Without |
| Mounting support | Asian standard flange |
| Motor flange size | 60 mm |
| Electrical connection | Free lead |
| Torque constant | 0.58 N.m/A at 20 °C |
| Back emf constant | 35 V/krpm at 20 °C |
| Rotor inertia | 0.27 kg.cm ² |
| Stator resistance | 5.2 Ohm at 20 °C |
| Stator inductance | 12 mH at 20 °C |
| Stator electrical time constant | 2.31 ms at 20 °C |
| Maximum radial force Fr | 200 N at 3000 rpm |
| Maximum axial force Fa | 70 N |
| Brake pull-in power | 11.2 W |
| Type of cooling | Natural convection |
| Length | 129 mm |
| Number of motor stacks | 2 |
| Centring collar diameter | 50 mm |
| Centring collar depth | 5.5 mm |
| Number of mounting holes | 4 |
| Mounting holes diameter | 5.5 mm |
| Circle diameter of the mounting holes | 70 mm |
| Distance shaft shoulder-flange | 5.5 mm |
| Net weight | 1.45 kg |

Environment

| | |
|---------------------------------------|---------------------------------|
| IP degree of protection | IP50 IM V3 IP65 IM B5, IM V1 |
| 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 Weight | 2.08 kg |
| Package 1 Height | 11.1 cm |
| Package 1 width | 14.5 cm |
| Package 1 Length | 26.5 cm |
| Unit Type of Package 2 | S03 |

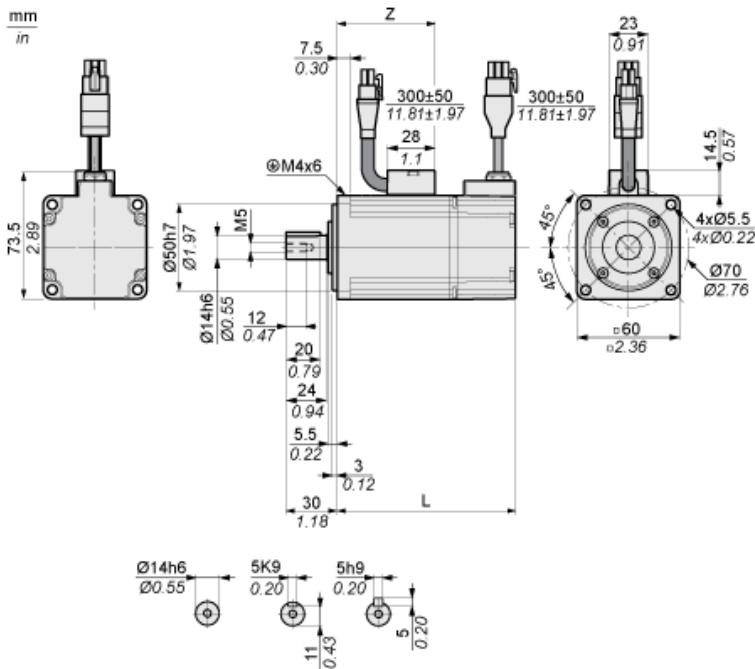
| | |
|------------------------------|----------|
| Number of Units in Package 2 | 5 |
| Package 2 Weight | 9.844 kg |
| Package 2 Height | 30 cm |
| Package 2 width | 30 cm |
| Package 2 Length | 40 cm |

Offer Sustainability

| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| 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 |

Dimensions

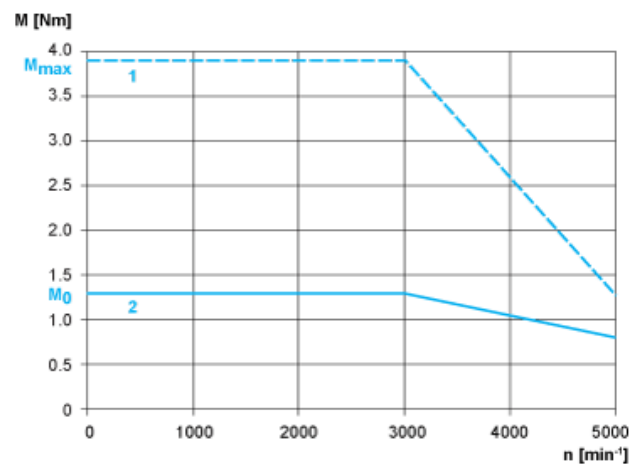
Dimensions of Motor



| | mm | in. |
|---------------------------|-----|------|
| L (without holding brake) | 129 | 5.08 |
| L (with holding brake) | 165 | 6.5 |
| Z | 82 | 3.23 |

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

Servo Motor with LXM28AU04●●● Servo Drive



- 1 : Peak torque
2 : Continuous torque