

Main

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

Complementary

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|---------------------------|--|
| Maximum mechanical speed | 3000 rpm |
| [Us] rated supply voltage | 220 V |
| Network number of phases | Three phase |
| Continuous stall current | 9.95 A |
| Continuous stall torque | 9.55 N.M for LXM26D at 12 A, 220 V, three phase 9.55 N.M for LXM28 at 12 A, 220 V, three phase 9.55 N.m |
| Continuous power | 2000 W |
| Peak stall torque | 28.65 N.M for LXM26D at 12 A, 220 V, three phase 28.65 N.M for LXM28 at 12 A, 220 V, three phase 28.65 N.m |
| Nominal output power | 2000 W for LXM26D at 12 A, 220 V, three phase 2000 W for LXM28 at 12 A, 220 V, three phase 2000 W |
| Nominal torque | 9.55 N.M for LXM26D at 12 A, 220 V, three phase 9.55 N.M for LXM28 at 12 A, 220 V, three phase 9.55 N.m |
| Nominal speed | 2000 rpm 2000 rpm for LXM26D at 12 A, 220 V, three phase 2000 rpm for LXM28 at 12 A, 220 V, three phase |
| Maximum current Irms | 32.85 A for LXM28 at 2 kW, 220 V 32.85 A at 2 kW, 220 V |
| Maximum permanent current | 11.25 A |
| Product compatibility | LXM26D servo drive motor at 2 kW, 220 V, three phase LXM28 servo drive motor at 2 kW, 220 V, three phase |
| Shaft end | Keyed |
| Shaft diameter | 22 mm |
| Shaft length | 55 mm |
| Key width | 8 mm |
| Feedback type | 20 bits single turn absolute encoder |
| Holding brake | With |
| Holding torque | 9.6 N.m built-in |
| Mounting support | Asian standard flange |
| Motor flange size | 130 mm |
| Electrical connection | Connector MIL |
| Torque constant | 0.96 N.m/A at 20 °C |
| Back emf constant | 58 V/krpm at 20 °C |
| Rotor inertia | 14.1 kg.cm ² |

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|---------------------------------------|--------------------|
| Stator resistance | 0.34 Ohm at 20 °C |
| Stator inductance | 4.5 mH at 20 °C |
| Stator electrical time constant | 13.24 ms at 20 °C |
| Maximum radial force Fr | 670 N at 2000 rpm |
| Maximum axial force Fa | 200 N |
| Brake pull-in power | 19.7 W |
| Type of cooling | Natural convection |
| Length | 216 mm |
| Number of motor stacks | 4 |
| 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 | 11 kg |

Environment

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|---------------------------------------|---------------------------------|
| IP degree of protection | IP50 IM V3 IP65 IM B5, IM V1 |
| Ambient air temperature for operation | 0...40 °C |

Packing Units

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|------------------------------|-----------|
| 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 | 12.328 kg |

Offer Sustainability

| | |
|---|---|
| Packaging without single use plastic | No |
| Packaging made with recycled cardboard | No |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| PVC free | Yes |
| Take-back | No |
| Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) | 7878 |