

BMH0702P06A2A

servo motor BMH, Lexium 32, 2.5Nm,
8000rpm, untapped shaft, without brake, IP54,
16bit encoder, 3 phases



Main

| | |
|---------------------------|--|
| Device short name | BMH |
| Product or Component Type | Servo motor |
| Maximum mechanical speed | 8000 rpm |
| Continuous stall torque | 22.1 Lbf.In (2.5 N.m) LXM32.D12N4 3 A, 400 V, three phase 22.1 lbf.in (2.5 N.m) LXM32.D12N4 3 A, 480 V, three phase |
| Peak stall torque | 65.5 Lbf.In (7.4 N.m) LXM32.D12N4 3 A, 400 V, three phase 65.5 lbf.in (7.4 N.m) LXM32.D12N4 3 A, 480 V, three phase |
| Nominal output power | 700 W LXM32.D12N4 3 A, 400 V, three phase 700 W LXM32.D12N4 3 A, 480 V, three phase |
| Nominal torque | 19.5 Lbf.In (2.2 N.m) LXM32.D12N4 3 A, 400 V, three phase 19.5 lbf.in (2.2 N.m) LXM32.D12N4 3 A, 480 V, three phase |
| Nominal speed | 3000 rpm LXM32.D12N4 3 A, 400 V, three phase 3000 rpm LXM32.D12N4 3 A, 480 V, three phase |
| Product compatibility | LXM32.D12N4 400...480 V three phase |
| Shaft end | Smooth shaft |
| IP Degree of Protection | IP54 standard |
| Speed feedback resolution | 32768 points/turn |
| Holding brake | Without |
| Mounting Support | International standard flange |
| Electrical Connection | Rotatable right-angled connectors |

Complementary

| | |
|---------------------------|------------------------------|
| Range Compatibility | Lexium 32 |
| [Us] rated supply voltage | 480 V |
| Phase | Three phase |
| Continuous stall current | 2.94 A |
| Continuous power | 1.51 W |
| Maximum current Irms | 9.7 A LXM32.D12N4 |
| Maximum permanent current | 9.68 A |
| Second shaft | Without second shaft end |
| Shaft diameter | 0.4 in (11 mm) |
| Shaft length | 0.9 in (23 mm) |
| Feedback type | Single turn SinCos Hiperface |
| Motor flange size | 2.8 in (70 mm) |
| Number of motor stacks | 2 |
| Torque constant | 0.84 N.m/A 248 °F (120 °C) |
| Back emf constant | 54.08 V/krpm 248 °F (120 °C) |
| Number of motor poles | 10 |
| Rotor inertia | 1.13 kg.cm ² |
| Stator resistance | 3.8 Ohm 68 °F (20 °C) |

| | |
|---------------------------------------|--|
| Stator inductance | 12.2 mH 68 °F (20 °C) |
| Stator electrical time constant | 3.2 ms 68 °F (20 °C) |
| Maximum radial force Fr | 710 N 1000 rpm 560 N 2000 rpm 490 N 3000 rpm 450 N 4000 rpm 410 N 5000 rpm 390 N 6000 rpm |
| Maximum axial force Fa | 0.2 x Fr |
| Type of cooling | Natural convection |
| Length | 6.06 in (154 mm) |
| Centring collar diameter | 2.4 in (60 mm) |
| Centring collar depth | 0.10 in (2.5 mm) |
| Number of mounting holes | 4 |
| Mounting holes diameter | 0.2 in (5.5 mm) |
| Circle diameter of the mounting holes | 3.2 in (82 mm) |
| Net Weight | 5.07 lb(US) (2.3 kg) |





Ordering and shipping details

| | |
|-------------------|---------------|
| Category | US1PC5318282 |
| Discount Schedule | PC53 |
| GTIN | 3606480160837 |
| Returnability | No |
| Country of origin | DE |

Packing Units

| | |
|------------------------------|----------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 4.409 in (11.200 cm) |
| Package 1 Width | 7.480 in (19.000 cm) |
| Package 1 Length | 15.551 in (39.500 cm) |
| Package 1 Weight | 6.376 lb(US) (2.892 kg) |
| Unit Type of Package 2 | P06 |
| Number of Units in Package 2 | 24 |
| Package 2 Height | 29.528 in (75.000 cm) |
| Package 2 Width | 23.622 in (60.000 cm) |
| Package 2 Length | 31.496 in (80.000 cm) |
| Package 2 Weight | 180.779 lb(US) (82.000 kg) |

Offer Sustainability

| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| 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 |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Mercury free | Yes |
| RoHS exemption information |  Yes |
| China RoHS Regulation |  China RoHS Declaration |
| Environmental Disclosure |  Product Environmental Profile |
| Circularity Profile | No need of specific recycling operations |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

Contractual warranty

| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|
