

Product data sheet

Specifications



servo motor BMH, Lexium 32,
34.4Nm, 3800rpm, untapped shaft,
with brake, IP65, IP67, 16bit
encoder, straight

BMH2051P26F1A

Product availability: Non-Stock - Not normally stocked in
distribution facility

Price*: 7,627.50 USD

Main

| | |
|---------------------------|--|
| Product Or Component Type | Servo motor |
| Device Short Name | BMH |
| Maximum Mechanical Speed | 3800 rpm |
| Continuous Stall Torque | 304.47 lbf.in (34.4 N.m) LXM32.D72N4 24 A, 400 V, three phase 304.47 lbf.in (34.4 N.m) LXM32.D72N4 24 A, 480 V, three phase |
| Peak Stall Torque | 915.17 lbf.in (103.4 N.m) LXM32.D72N4 24 A, 400 V, three phase 915.17 lbf.in (103.4 N.m) LXM32.D72N4 24 A, 480 V, three phase |
| Nominal Output Power | 5400 W LXM32.D72N4 24 A, 400 V, three phase 5400 W LXM32.D72N4 24 A, 480 V, three phase |
| Nominal Torque | 228.35 lbf.in (25.8 N.m) LXM32.D72N4 24 A, 400 V, three phase 228.35 lbf.in (25.8 N.m) LXM32.D72N4 24 A, 480 V, three phase |
| Nominal Speed | 2000 rpm LXM32.D72N4 24 A, 400 V, three phase 2000 rpm LXM32.D72N4 24 A, 480 V, three phase |
| Product Compatibility | LXM32.D72N4 400...480 V three phase |
| Shaft End | Smooth shaft |
| Ip Degree Of Protection | IP65 standard IP67 with IP67 kit |
| Speed Feedback Resolution | 32768 points/turn |
| Holding Brake | With |
| Mounting Support | International standard flange |
| Electrical Connection | Straight connectors |

Complementary

| | |
|---------------------------|--------------------------|
| Range Compatibility | Lexium 32 |
| [Us] Rated Supply Voltage | 480 V |
| Phase | Three phase |
| Continuous Stall Current | 21.5 A |
| Continuous Power | 6.8 W |
| Maximum Current Irms | 72 A LXM32.D72N4 |
| Maximum Permanent Current | 78.1 A |
| Second Shaft | Without second shaft end |
| Shaft Diameter | 1.50 in (38 mm) |

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|---------------------------------------|---|
| Shaft Length | 3.15 in (80 mm) |
| Feedback Type | Single turn SinCos Hiperface |
| Holding Torque | 708.06 lbf.in (80 N.m) holding brake |
| Motor Flange Size | 8.07 in (205 mm) |
| Number Of Motor Stacks | 1 |
| Back Emf Constant | 104 V/krpm 248 °F (120 °C) |
| Number Of Motor Poles | 10 |
| Rotor Inertia | 87.4 kg.cm² |
| Stator Resistance | 0.3 Ohm 68 °F (20 °C) |
| Stator Inductance | 5.9 mH 68 °F (20 °C) |
| Stator Electrical Time Constant | 19.7 ms 68 °F (20 °C) |
| Maximum Radial Force Fr | 3730 N 1000 rpm 2960 N 2000 rpm 2580 N 3000 rpm |
| Maximum Axial Force Fa | 0.2 x Fr |
| Brake Pull-In Power | 40 W |
| Type Of Cooling | Natural convection |
| Length | 14.59 in (370.5 mm) |
| Centring Collar Diameter | 7.09 in (180 mm) |
| Centring Collar Depth | 0.16 in (4 mm) |
| Number Of Mounting Holes | 4 |
| Mounting Holes Diameter | 0.55 in (14 mm) |
| Circle Diameter Of The Mounting Holes | 8.46 in (215 mm) |
| Net Weight | 83.56 lb(US) (37.9 kg) |

Ordering and shipping details

| | |
|-------------------|---------------|
| Category | US1PC5318282 |
| Discount Schedule | PC53 |
| Gtin | 3606485202785 |
| Returnability | No |
| Country Of Origin | DE |

Packing Units

| | |
|------------------------------|------------------------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 14.17 in (36.0 cm) |
| Package 1 Width | 12.20 in (31.0 cm) |
| Package 1 Length | 22.83 in (58.0 cm) |
| Package 1 Weight | 94.80 lb(US) (43.0 kg) |

Contractual warranty

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

Sustainability



Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)



Transparency RoHS/REACH

Well-being performance

| | | |
|---|----------------------------|-----|
| ✓ | Mercury Free | |
| ✓ | Rohs Exemption Information | Yes |
| ✓ | Pvc Free | |

Certifications & Standards

| | |
|---------------------------|---|
| Reach Regulation | REACH Declaration |
| Eu Rohs Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| 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. |
| Circularity Profile | No need of specific recycling operations |
| 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 |