

Product datasheet

Specifications



servo motor BMH, Lexium 32,
8.2Nm, 6000rpm, untapped shaft,
without brake, IP65, IP67, 16bit
encoder, straight

BMH1003T26A1A

! Discontinued

! Discontinued on: 30 Jun 2023

Main

| | |
|---------------------------|---|
| Device short name | BMH |
| Product or component type | Servo motor |
| Maximum mechanical speed | 6000 rpm |
| Continuous stall torque | 8.2 N.m for LXM32.D30M2 at 10 A, 230 V, single phase |
| Peak stall torque | 22.8 N.m for LXM32.D30M2 at 10 A, 230 V, single phase |
| Nominal output power | 1450 W for LXM32.D30M2 at 10 A, 230 V, single phase |
| Nominal torque | 5.6 N.m for LXM32.D30M2 at 10 A, 230 V, single phase |
| Nominal speed | 2500 rpm for LXM32.D30M2 at 10 A, 230 V, single phase |
| Product compatibility | LXM32.D30M2 at 230 V single phase |
| Shaft end | Smooth shaft |
| IP degree of protection | IP65 standard IP67 with IP67 kit |
| Speed feedback resolution | 32768 points/turn |
| Holding brake | Without |
| Mounting support | International standard flange |
| Electrical connection | Straight connectors |

Complementary

| | |
|---------------------------|------------------------------|
| Range compatibility | Lexium 32 |
| [Us] rated supply voltage | 240 V |
| Network number of phases | Three phase |
| Continuous stall current | 10 A |
| Continuous power | 2.62 W |
| Maximum current Irms | 30 A for LXM32.D30M2 |
| Maximum permanent current | 33.85 A |
| Second shaft | Without second shaft end |
| Shaft diameter | 19 mm |
| Shaft length | 40 mm |
| Feedback type | Single turn SinCos Hiperface |
| Motor flange size | 100 mm |
| Number of motor stacks | 3 |

| | |
|--|--|
| Torque constant | 0.851 N.m/A at 120 °C |
| Back emf constant | 54.8 V/krpm at 120 °C |
| Number of motor poles | 10 |
| Rotor inertia | 9.37 kg.cm ² |
| Stator resistance | 0.47 Ohm at 20 °C |
| Stator inductance | 3 mH at 20 °C |
| Stator electrical time constant | 6.4 ms at 20 °C |
| Maximum radial force Fr | 1050 N at 1000 rpm 830 N at 2000 rpm 730 N at 3000 rpm 660 N at 4000 rpm 610 N at 5000 rpm |
| Maximum axial force Fa | 0.2 x Fr |
| Type of cooling | Natural convection |
| Length | 192.6 mm |
| Centring collar diameter | 95 mm |
| Centring collar depth | 3.5 mm |
| Number of mounting holes | 4 |
| Mounting holes diameter | 9 mm |
| Circle diameter of the mounting holes | 115 mm |
| Net weight | 6.5 kg |
| Sizing reference | BMH1003T |
| Network number of phases | 3 |
| Accuracy error [angular] | 4.8 ° |
| Temperature copper hot | 135 °C |
| Temperature magnet hot | 100 °C |
| Temperature magnet rt | 20 °C |

Packing Units

| | |
|-------------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 22.0 cm |
| Package 1 Width | 20.0 cm |
| Package 1 Length | 40.0 cm |
| Package 1 Weight | 6.8 kg |
| Unit Type of Package 2 | P06 |
| Number of Units in Package 2 | 24 |
| Package 2 Height | 105.0 cm |
| Package 2 Width | 80.000 cm |
| Package 2 Length | 60.000 cm |
| Package 2 Weight | 37.8 kg |

Contractual warranty



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better



Materials and Substances

EU RoHS Directive

[Compliant By Exemption](#)

PVC free

Yes

Use Longer



Lifetime extension

Repair

No

Use Again



Repack and remanufacture

End of life manual availability

No need of specific recycling operations

WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins