



Main

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|---------------------------|------------------------------|
| Range compatibility | Lexium 32i |
| Product or component type | Servo motor with power stage |
| Device short name | BMI |

Complementary

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|---------------------------|---|
| Maximum mechanical speed | 8000 rpm |
| [Us] rated supply voltage | 115...230 V - 15...10 % |
| Supply voltage limits | 100...240 V |
| Network number of phases | Single phase |
| Supply frequency | 50/60 Hz - 5...5 % |
| Network frequency limits | 47.5...63 Hz |
| EMC filter | Integrated |
| Continuous output current | 2.6 A at 8 kHz |
| Output current 3s peak | 10.5 A at 230 V for 1 s |
| Continuous stall current | 2.6 A |
| Continuous stall torque | 2.48 N.m at 115...230 V single phase |
| Peak stall torque | 6.6 N.m at 115 V single phase 6.6 N.m at 230 V single phase |
| Nominal output power | 700 W at 230 V single phase 400 W at 115 V single phase |
| Nominal torque | 2.2 N.m at 115 V single phase 1.7 N.m at 230 V single phase |
| Nominal speed | 4000 rpm at 230 V single phase 1700 rpm at 115 V single phase |
| Maximum current Irms | 17.7 A at 230 V, single phase 17.7 A at 115 V, single phase |
| Product compatibility | Drive control unit LXM32i CANopen Drive control unit LXM32i EtherCAT |
| Shaft end | Keyed |

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

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|---------------------------------------|--|
| Second shaft | Without second shaft end |
| Shaft diameter | 11 mm |
| Shaft length | 23 mm |
| Key width | 4 mm |
| Feedback type | Absolute multiturn SinCos Hiperface |
| Speed feedback resolution | 32768 points/turn x 4096 turns |
| Holding brake | With |
| Holding torque | 3 N.m holding brake |
| Mounting support | International standard flange |
| Motor flange size | 70 mm |
| Electrical connection | Printed circuit board connector |
| Torque constant | 0.63 N.m/A at 20 °C |
| Back emf constant | 42.1 V/krpm at 20 °C |
| Number of motor poles | 10 |
| Rotor inertia | 1.24 kg.cm ² |
| Stator resistance | 2.7 Ohm at 20 °C |
| Stator inductance | 7.8 mH at 20 °C |
| Stator electrical time constant | 2.89 ms at 20 °C |
| Maximum radial force Fr | 710 N at 1000 rpm 560 N at 2000 rpm 490 N at 3000 rpm 450 N at 4000 rpm 410 N at 5000 rpm 390 N at 6000 rpm |
| Maximum axial force Fa | 0.2 x Fr |
| Brake pull-in power | 5 W |
| Type of cooling | Natural convection |
| Length | 306 mm |
| Number of motor stacks | 2 |
| Centring collar diameter | 60 mm |
| Centring collar depth | 2.5 mm |
| Number of mounting holes | 4 |
| Mounting holes diameter | 5.5 mm |
| Circle diameter of the mounting holes | 75...82 mm |
| Distance shaft shoulder-flange | 2.5 mm |

Environment

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|-------------------------|------|
| IP degree of protection | IP65 |
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Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| 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 |
| 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 |

Contractual warranty

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| Warranty | 18 months |
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