



### Main

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

### Complementary

Maximum mechanical speed	8000 rpm
[Us] rated supply voltage	208...480 V (- 15...10 %)
Supply voltage limits	208...480 V
Network number of phases	Three phase
Supply frequency	50/60 Hz (- 5...5 %)
Network frequency limits	47.5...63 Hz
EMC filter	Integrated
Continuous output current	2 A at 8 kHz
Output current 3s peak	6 A at 400 V for 3 s
Continuous stall current	2 A
Continuous stall torque	2.48 N.m at 208...480 V, three phase
Peak stall torque	6.8 N.m at 208 V, three phase 6.8 N.m at 400 V, three phase 6.8 N.m at 480 V, three phase
Nominal output power	400 W at 208 V, three phase 800 W at 400 V, three phase 900 W at 480 V, three phase
Nominal torque	2.4 N.m at 208 V, three phase 2.2 N.m at 400 V, three phase 2 N.m at 480 V, three phase
Nominal speed	1800 rpm at 208 V, three phase 3600 rpm at 400 V, three phase 4400 rpm at 480 V, three phase
Maximum current Irms	9.6 A at 208 V, three phase 9.6 A at 400 V, three phase

9.6 A at 480 V, three phase

Product compatibility	LXM32i drive control unit (CANopen) LXM32i drive control unit (EtherCAT)
Shaft end	Untapped
Second shaft	Without second shaft end
Shaft diameter	11 mm
Shaft length	23 mm
Feedback type	Absolute multiturn SinCos Hiperface
Speed feedback resolution	32768 points/turn x 4096 turns
Holding brake	Without
Mounting support	International standard flange
Motor flange size	70 mm
Electrical connection	Printed circuit board connector
Torque constant	1.15 N.m/A at 20 °C
Back emf constant	77.18 V/krpm at 20 °C
Number of motor poles	10
Rotor inertia	1.13 kg.cm <sup>2</sup>
Stator resistance	8.89 Ohm at 20 °C
Stator inductance	25.75 mH at 20 °C
Stator electrical time constant	2.9 ms at 20 °C
Maximum radial force Fr	390 N at 6000 rpm 410 N at 5000 rpm 450 N at 4000 rpm 490 N at 3000 rpm 560 N at 2000 rpm 710 N at 1000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	268 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

IP degree of protection	IP54 for shaft IP65 for housing
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## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1301 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available <a href="#">Product Environmental Profile</a>
Product end of life instructions	Available <a href="#">End of Life Information</a>

## Contractual warranty

Warranty period	18 months
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