Product data sheet

Specification





servo motor BMH, Lexium 32, 34.4Nm, 3800rpm, untapped shaft, without brake, IP65, IP67, 128bit encoder, straight

BMH2051P21A1A

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

Price*: 4,395.00 USD

Main

Device short name	вмн
Product or Component Type	Servo motor
Maximum mechanical speed	3800 rpm
Continuous stall torque	304.5 lbf.in (34.4 N.m) LXM32.D72N4 24 A, 400 V, three phase 304.5 lbf.in (34.4 N.m) LXM32.D72N4 24 A, 480 V, three phase
Peak stall torque	915.2 lbf.in (103.4 N.m) LXM32.D72N4 24 A, 400 V, three phase 915.2 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	228.3 lbf.in (25.8 N.m) LXM32.D72N4 24 A, 400 V, three phase 228.3 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 400480 V three phase
Shaft end	Smooth shaft
IP Degree of Protection	IP65 standard IP67 with IP67 kit
Speed feedback resolution	131072 points/turn
Holding brake	Without
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	1.5 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.

Shaft length	3.1 in (80 mm)	
Feedback type	Single turn SinCos Hiperface	
Motor flange size	8.07 in (205 mm)	
Number of motor stacks	1	
Back emf constant	104 V/krpm 248.0000000000 °F (120 °C)	
Number of motor poles	10	
Rotor inertia	71.4 kg.cm²	
Stator resistance	0.3 Ohm 68.0000000000 °F (20 °C)	
Stator inductance	5.9 mH 68.0000000000 °F (20 °C)	
Stator electrical time constant	19.7 ms 68.0000000000 °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	
Type of cooling	Natural convection	
Length	12.6 in (321 mm)	
Centring collar diameter	7.09 in (180 mm)	
Centring collar depth	0.2 in (4 mm)	
Number of mounting holes	4	
Mounting holes diameter	0.6 in (14 mm)	
Circle diameter of the mounting holes	8.5 in (215 mm)	
Net Weight	72.8 lb(US) (33 kg)	

Ordering and shipping details

Category	US1PC5318282
Discount Schedule	PC53
GTIN	3606485201627
Returnability	No
Country of origin	DE

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	14.2 in (36.0 cm)
Package 1 Width	12.2 in (31.0 cm)
Package 1 Length	22.8 in (58.0 cm)
Package 1 Weight	86.0 lb(US) (39.0 kg)

Contractual warranty

Warranty 18 months



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Transparency RoHS/REACh

Well-being performance

②	Mercury Free	
	Rohs Exemption Information	Yes
	Pvc Free	

Certifications & Standards

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