Product data sheet

Specification





servo motor BMH, Lexium 32, 34.4Nm, 3800rpm, untapped shaft, with brake, IP65, IP67, 128 multiturn encoder

BMH2051P22F2A

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

Price*: 8,527.50 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	ution 131072 points/turn x 4096 turns	
Holding brake	With	
Mounting Support	International standard flange	
Electrical Connection	Rotatable right-angled 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	Multiturn 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 248.0000000000 °F (120 °C)	
Number of motor poles	10	
Rotor inertia	87.4 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	ant 19.7 ms 68.00000000000 °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	14.6 in (370.5 mm)	
Centring collar diameter	7.09 in (180 mm)	
Centring collar depth	0.2 in (4 mm)	
Number of mounting holes	ting holes 4	
Mounting holes diameter	0.6 in (14 mm)	
Circle diameter of the mounting holes	8.5 in (215 mm)	
Net Weight	83.6 lb(US) (37.9 kg)	

Ordering and shipping details

Category	US1PC5318282	
Discount Schedule	PC53	
GTIN	3606485202709	
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	94.8 lb(US) (43.0 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