

BMH2051P32A1A

servo motor BMH - 34.4 Nm - 3800 rpm - keyed shaft - without brake - IP65/IP67

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



Price* : 4,745.00 USD



Main

Product or component type	Servo motor
Device short name	BMH
Maximum mechanical speed	3800 rpm
Continuous stall torque	304.42 lbf.in (34.4 N.m) for LXM32.D72N4 24 A at 400 V three phase 304.42 lbf.in (34.4 N.m) for LXM32.D72N4 24 A at 480 V three phase
Peak stall torque	915.04 lbf.in (103.4 N.m) for LXM32.D72N4 24 A at 400 V three phase 915.04 lbf.in (103.4 N.m) for LXM32.D72N4 24 A at 480 V three phase
Nominal output power	5400 W for LXM32.D72N4 24 A at 400 V three phase 5400 W for LXM32.D72N4 24 A at 480 V three phase
Nominal torque	228.32 lbf.in (25.8 N.m) for LXM32.D72N4 24 A at 400 V three phase 228.32 lbf.in (25.8 N.m) for LXM32.D72N4 24 A at 480 V three phase
Nominal speed	2000 rpm for LXM32.D72N4 24 A at 480 V three phase 2000 rpm for LXM32.D72N4 24 A at 400 V three phase
Product compatibility	LXM32.D72N4 at 400...480 V three phase
Shaft end	Keyed
IP degree of protection	IP65 (standard) IP67 (with IP67 kit)
Speed feedback resolution	131072 points/turn x 4096 turns
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)
Shaft length	3.15 in (80 mm)
Key width	2.76 in (70 mm)
Feedback type	Multiturn SinCos Hiperface
Motor flange size	8.07 in (205 mm)
Number of motor stacks	1
Back emf constant	104 V/krpm at 248 °F (120 °C)
Number of motor poles	10
Rotor inertia	71.4 kg.cm ²
Stator resistance	0.3 Ohm at 68 °F (20 °C)
Stator inductance	5.9 mH at 68 °F (20 °C)
Stator electrical time constant	19.7 ms at 68 °F (20 °C)
Maximum radial force Fr	2580 N at 3000 rpm 2960 N at 2000 rpm 3730 N at 1000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	12.64 in (321 mm)
Centring collar diameter	7.09 in (180 mm)
Centring collar depth	0.16 in (4 mm)
Number of mounting holes	4
Mounting holes diameter	0.55 in (14 mm)
Circle diameter of the mounting holes	8.46 in (215 mm)
Product weight	72.75 lb(US) (33 kg)

Ordering and shipping details

Category	18282 - LEXIUM 32 MOTORS
Discount Schedule	PC53
GTIN	003606485202594
Nbr. of units in pkg.	1
Package weight(Lbs)	85.79999999999997
Returnability	N
Country of origin	DE

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
----- More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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