

BMH1003P12A2A

servo motor BMH - 8.4 Nm - 6000 rpm - keyed shaft - without brake - IP54

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



Price* : 1,870.00 USD



Main

Product or component type	Servo motor
Device short name	BMH
Maximum mechanical speed	6000 rpm
Continuous stall torque	74.34 lbf.in (8.4 N.m) for LXM32.D30N4 10 A at 400 V three phase 74.34 lbf.in (8.4 N.m) for LXM32.D30N4 10 A at 480 V three phase
Peak stall torque	222.12 lbf.in (25.1 N.m) for LXM32.D30N4 10 A at 400 V three phase 222.12 lbf.in (25.1 N.m) for LXM32.D30N4 10 A at 480 V three phase
Nominal output power	2700 W for LXM32.D30N4 10 A at 400 V three phase 2700 W for LXM32.D30N4 10 A at 480 V three phase
Nominal torque	54.87 lbf.in (6.2 N.m) for LXM32.D30N4 10 A at 480 V three phase 54.87 lbf.in (6.2 N.m) for LXM32.D30N4 10 A at 400 V three phase
Nominal speed	4000 rpm LXM32.D30N4 10 A at 480 V three phase 4000 rpm for LXM32.D30N4 10 A at 400 V three phase
Product compatibility	LXM32.D30N4 at 400...480 V three phase
Shaft end	Keyed
IP degree of protection	IP54 (standard)
Speed feedback resolution	131072 points/turn x 4096 turns
Holding brake	Without
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	7.69 A
Continuous power	3.3 W

Maximum current Irms	29.1 A for LXM32.D30N4
Maximum permanent current	29.1 A
Second shaft	Without second shaft end
Shaft diameter	0.75 in (19 mm)
Shaft length	1.57 in (40 mm)
Key width	1.18 in (30 mm)
Feedback type	Multiturn SinCos Hiperface
Motor flange size	3.94 in (100 mm)
Number of motor stacks	3
Torque constant	1 N.m/A at 248 °F (120 °C)
Back emf constant	63.5 V/krpm at 248 °F (120 °C)
Number of motor poles	10
Rotor inertia	9.37 kg.cm ²
Stator resistance	0.63 Ohm at 68 °F (20 °C)
Stator inductance	4 mH at 68 °F (20 °C)
Stator electrical time constant	6.3 ms at 68 °F (20 °C)
Maximum radial force Fr	1050 N at 1000 rpm 660 N at 4000 rpm 730 N at 3000 rpm 830 N at 2000 rpm 610 N at 5000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	7.58 in (192.6 mm)
Centring collar diameter	3.74 in (95 mm)
Centring collar depth	0.14 in (3.5 mm)
Number of mounting holes	4
Mounting holes diameter	0.35 in (9 mm)
Circle diameter of the mounting holes	4.53 in (115 mm)
Product weight	14.33 lb(US) (6.5 kg)

Ordering and shipping details

Category	18282 - LEXIUM 32 MOTORS
Discount Schedule	PC53
GTIN	00785901968603
Nbr. of units in pkg.	1
Package weight(Lbs)	14.960000000000001
Returnability	N
Country of origin	DE

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0936 - Schneider Electric declaration of conformity 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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