

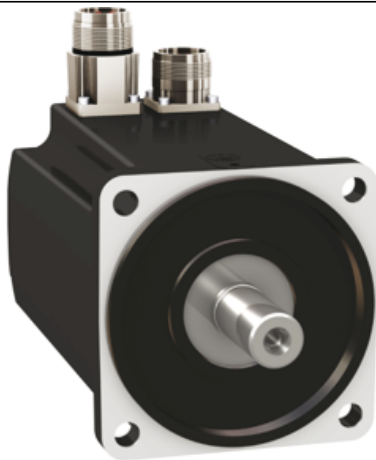
# BMH1001P01A1A

servo motor BMH - 3.3 Nm - 6000 rpm - untapped shaft - without brake - IP54

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



Price\* : 1,150.00 USD



## Main

Product or component type	Servo motor
Device short name	BMH
Maximum mechanical speed	6000 rpm
Continuous stall torque	30.09 lbf.in (3.4 N.m) for LXM32.D18N4 6 A at 400 V three phase 30.09 lbf.in (3.4 N.m) for LXM32.D18N4 6 A at 480 V three phase 29.2 lbf.in (3.3 N.m) for LXM32.D12N4 3 A at 400 V three phase 29.2 lbf.in (3.3 N.m) for LXM32.D12N4 3 A at 480 V three phase
Peak stall torque	95.58 lbf.in (10.8 N.m) for LXM32.D12N4 3 A at 400 V three phase 95.58 lbf.in (10.8 N.m) for LXM32.D12N4 3 A at 480 V three phase 95.58 lbf.in (10.8 N.m) for LXM32.D18N4 6 A at 400 V three phase 95.58 lbf.in (10.8 N.m) for LXM32.D18N4 6 A at 480 V three phase
Nominal output power	1300 W for LXM32.D18N4 6 A at 400 V three phase 1300 W for LXM32.D18N4 6 A at 480 V three phase 800 W for LXM32.D12N4 3 A at 400 V three phase 800 W for LXM32.D12N4 3 A at 480 V three phase
Nominal torque	16.81 lbf.in (1.9 N.m) for LXM32.D12N4 3 A at 400 V three phase 16.81 lbf.in (1.9 N.m) for LXM32.D12N4 3 A at 480 V three phase 27.43 lbf.in (3.1 N.m) for LXM32.D18N4 6 A at 400 V three phase 27.43 lbf.in (3.1 N.m) for LXM32.D18N4 6 A at 480 V three phase
Nominal speed	4000 rpm for LXM32.D12N4 3 A at 400 V three phase 4000 rpm for LXM32.D18N4 6 A at 400 V three phase 4000 rpm for LXM32.D18N4 6 A at 480 V three phase 4000 rpm for LXM32.D12N4 3 A at 480 V three phase
Product compatibility	LXM32.D12N4 at 400...480 V three phase LXM32.D18N4 at 400...480 V three phase
Shaft end	Smooth shaft
IP degree of protection	IP54 (standard)
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	3.15 A
Continuous power	1.76 W
Maximum current Irms	11.9 A for LXM32.D12N4 11.9 A for LXM32.D18N4
Maximum permanent current	11.93 A
Second shaft	Without second shaft end
Shaft diameter	0.75 in (19 mm)
Shaft length	1.57 in (40 mm)
Feedback type	Single turn SinCos Hiperface
Motor flange size	3.94 in (100 mm)
Number of motor stacks	1
Torque constant	1.1 N.m/A at 248 °F (120 °C)
Back emf constant	70.3 V/krpm at 248 °F (120 °C)
Number of motor poles	10
Rotor inertia	3.19 kg.cm <sup>2</sup>
Stator resistance	3.1 Ohm at 68 °F (20 °C)
Stator inductance	13.9 mH at 68 °F (20 °C)
Stator electrical time constant	4.5 ms at 68 °F (20 °C)
Maximum radial force Fr	530 N at 5000 rpm 570 N at 4000 rpm 630 N at 3000 rpm 720 N at 2000 rpm 900 N at 1000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	5.06 in (128.6 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	7.36 lb(US) (3.34 kg)

## Ordering and shipping details

Category	18282 - LEXIUM 32 MOTORS
Discount Schedule	PC53
GTIN	003606485200163
Nbr. of units in pkg.	1
Package weight(Lbs)	8.700000000000011
Returnability	N
Country of origin	DE

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant <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
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 <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

### Contractual warranty

Warranty period	18 months
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