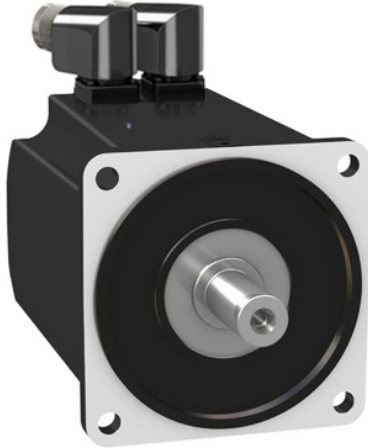


# BMH1401P11A2A

servo motor BMH, Lexium 32, 10.3Nm,  
4000rpm, keyed shaft, without brake, IP54,  
128bit encoder



## Main

Product or Component Type	Servo motor
Device short name	BMH
Maximum mechanical speed	4000 rpm
Continuous stall torque	91.16 Lbf.In (10.3 N.m) LXM32.D30M2 10 A, 230 V, single phase 91.16 Lbf.In (10.3 N.m) LXM32.D30N4 10 A, 400 V, three phase 91.16 lbf.in (10.3 N.m) LXM32.D30N4 10 A, 480 V, three phase
Peak stall torque	272.60 Lbf.In (30.8 N.m) LXM32.D30M2 10 A, 230 V, single phase 272.60 Lbf.In (30.8 N.m) LXM32.D30N4 10 A, 400 V, three phase 272.60 lbf.in (30.8 N.m) LXM32.D30N4 10 A, 480 V, three phase
Nominal output power	1450 W LXM32.D30M2 10 A, 230 V, single phase 2400 W LXM32.D30N4 10 A, 400 V, three phase 2400 W LXM32.D30N4 10 A, 480 V, three phase
Nominal torque	61.07 Lbf.In (6.9 N.m) LXM32.D30M2 10 A, 230 V, single phase 68.15 Lbf.In (7.7 N.m) LXM32.D30N4 10 A, 400 V, three phase 68.15 lbf.in (7.7 N.m) LXM32.D30N4 10 A, 480 V, three phase
Nominal speed	2000 rpm LXM32.D30M2 10 A, 230 V, single phase 3000 rpm LXM32.D30N4 10 A, 400 V, three phase 3000 rpm LXM32.D30N4 10 A, 480 V, three phase
Product compatibility	LXM32.D30M2 230 V single phase LXM32.D30N4 400...480 V three phase
Shaft end	Keyed
IP Degree of Protection	IP54 standard
Speed feedback resolution	131072 points/turn
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	8.58 A
Continuous power	2.85 W
Maximum current Irms	29.8 A LXM32.D30M2 29.8 A LXM32.D30N4
Maximum permanent current	29.8 A
Second shaft	Without second shaft end
Shaft diameter	0.94 in (24 mm)
Shaft length	1.97 in (50 mm)
Key width	1.57 in (40 mm)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Feedback type	Single turn SinCos Hiperface
Motor flange size	5.51 in (140 mm)
Number of motor stacks	1
Torque constant	1.2 N.m/A 248 °F (120 °C)
Back emf constant	77.4 V/krpm 248 °F (120 °C)
Number of motor poles	10
Rotor inertia	16.46 kg.cm <sup>2</sup>
Stator resistance	0.69 Ohm 68 °F (20 °C)
Stator inductance	6.7 mH 68 °F (20 °C)
Stator electrical time constant	9.7 ms 68 °F (20 °C)
Maximum radial force Fr	1930 N 1000 rpm 1530 N 2000 rpm 1340 N 3000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	5.98 in (152 mm)
Centring collar diameter	5.12 in (130 mm)
Centring collar depth	0.14 in (3.5 mm)
Number of mounting holes	4
Mounting holes diameter	0.43 in (11 mm)
Circle diameter of the mounting holes	6.50 in (165 mm)
Net Weight	17.64 lb(US) (8 kg)

## Ordering and shipping details

Category	18282-LEXIUM 32 MOTORS
Discount Schedule	PC53
GTIN	3606485201214
Returnability	No
Country of origin	DE

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.87 in (20.0 cm)
Package 1 Width	10.63 in (27.0 cm)
Package 1 Length	23.23 in (59.0 cm)
Package 1 Weight	21.75 lb(US) (9.864 kg)
Unit Type of Package 2	P06
Number of Units in Package 2	12
Package 2 Height	30.31 in (77.0 cm)
Package 2 Width	31.50 in (80.0 cm)
Package 2 Length	23.62 in (60.0 cm)
Package 2 Weight	279.70 lb(US) (126.868 kg)

## Offer Sustainability

Sustainable offer status	Green Premium product
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>

Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	No need of specific recycling operations
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
PVC free	Yes

### Contractual warranty

Warranty	18 months
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