Product data sheet

Specifications





① Discontinued

servo motor BMH, Lexium 32, 2.5Nm, 8000rpm, untapped shaft, without brake, IP65, IP67, 128 multiturn encoder, straight

BMH0702T22A1A

() Discontinued on: Oct 9, 2023

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

Main

Servo motor							
ВМН							
8000 rpm							
22.13 lbf.in (2.5 N.m) LXM32.D30M2 10 A, 115 V, single phase 22.13 lbf.in (2.5 N.m) LXM32.D18M2 6 A, 230 V, single phase							
56.64 lbf.in (6.4 N.m) LXM32.D30M2 10 A, 115 V, single phase 65.50 lbf.in (7.4 N.m) LXM32.D18M2 6 A, 230 V, single phase							
600 W LXM32.D30M2 10 A, 115 V, single phase 900 W LXM32.D18M2 6 A, 230 V, single phase							
20.36 lbf.in (2.3 N.m) LXM32.D30M2 10 A, 115 V, single phase 18.59 lbf.in (2.1 N.m) LXM32.D18M2 6 A, 230 V, single phase							
2500 rpm LXM32.D30M2 10 A, 115 V, single phase 4000 rpm LXM32.D18M2 6 A, 230 V, single phase							
LXM32.D30M2 115 V single phase LXM32.D18M2 230 V single phase							
Smooth shaft							
IP65 standard IP67 with IP67 kit							
131072 points/turn x 4096 turns							
Without							
International standard flange							
Straight connectors							

Complementary

Range Compatibility	Lexium 32
[Us] Rated Supply Voltage	240 V
Phase	Three phase
Continuous Stall Current	5.38 A
Continuous Power	1.51 W
Maximum Current Irms	15 A LXM32.D30M2 17.5 A LXM32.D18M2
Maximum Permanent Current	17.71 A

Price is "List Price" and may be subject to a trade discount - check with your local distributor or retailer for actual price.

Second Shaft	Without second shaft end
Shaft Diameter	0.43 in (11 mm)
Shaft Length	0.91 in (23 mm)
Feedback Type	Multiturn SinCos Hiperface
Motor Flange Size	2.76 in (70 mm)
Number Of Motor Stacks	2
Torque Constant	0.46 N.m/A 248 °F (120 °C)
Back Emf Constant	29.6 V/krpm 248 °F (120 °C)
Number Of Motor Poles	10
Rotor Inertia	1.13 kg.cm ²
Stator Resistance	1.15 Ohm 68 °F (20 °C)
Stator Inductance	3.6 mH 68 °F (20 °C)
Stator Electrical Time Constant	3.1 ms 68 °F (20 °C)
Maximum Radial Force Fr	710 N 1000 rpm
	560 N 2000 rpm
	490 N 3000 rpm
	450 N 4000 rpm
	410 N 5000 rpm
	390 N 6000 rpm
Maximum Axial Force Fa	0.2 x Fr
Type Of Cooling	Natural convection
Length	6.06 in (154 mm)
Centring Collar Diameter	2.36 in (60 mm)
Centring Collar Depth	0.10 in (2.5 mm)
Number Of Mounting Holes	4
Mounting Holes Diameter	0.22 in (5.5 mm)
Circle Diameter Of The Mounting Holes	3.23 in (82 mm)
Net Weight	5.07 lb(US) (2.3 kg)

Ordering and shipping details

Category	US1PC5318282					
Discount Schedule	PC53					
Gtin	3606485194486					
Returnability	No					
Country Of Origin	DE					

Packing Units

v	
Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	4.33 in (11.0 cm)
Package 1 Width	7.87 in (20.0 cm)
Package 1 Length	15.75 in (40.0 cm)
Package 1 Weight	4.41 lb(US) (2.0 kg)

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Mercury Free
Rohs Exemption Information Yes
Pvc Free

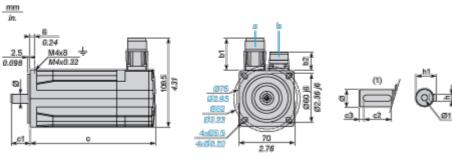
Certifications & Standards

Reach Regulation	REACh Declaration						
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						

Dimensions Drawings

Servo Motors Dimensions

Example with Straight Connectors



a: Power supply for servo motor brake

b: Power supply for servo motor encoder

(1) Shaft end, keyed slot (optional)

Dimensions in mm

Straight Rotatable angled connectors		•	c (without c (with		c1 c2	c2	c3	h	h1	ø	Ø1 for	
b1	b2	b1	b2	brake)	brake)							screws
39.5	25.5	39.5	39.5	154	193	23	18	2.5	4 h9	12.5 ⁺⁰ _ 0.13	11 k6	M4 x 14

Dimensions in in.

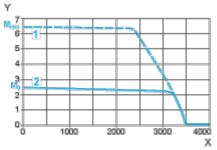
-	Straight connectors		angled		c (with brake)	c1	c2	c3	h	h1	ø	Ø1 for screws
b1	b2	b1	b2	brake)								
1.55	1	1.55	1.55	6.06	7.59	0.90	0.70	0.09	0.16 h9	0.49 ⁺⁰ _ 0.0051	0.43 k6	M4 x 0.55

Performance Curves

115 V Single-Phase Supply Voltage

Torque/Speed Curves

Servo motor with LXM32•D30M2 servo drive

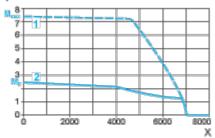


- X Speed in rpm
- Y Torque in Nm
- 1 Peak torque
- 2 Continuous torque

230 V Single-Phase Supply Voltage

Torque/Speed Curves

Servo motor with LXM32•D18M2 servo drive



- X Speed in rpm
- Y Torque in Nm
- 1 Peak torque
- 2 Continuous torque