# BMH0702T31A2A

servo motor BMH, Lexium 32, 2.5Nm, 8000rpm, keyed shaft, without brake, IP65, IP67, 128bit encoder





#### Main

· · · · · · · · · · · · · · · · · · ·	
Device short name	ВМН
Product or Component Type	Servo motor
Maximum mechanical speed	8000 rpm
Continuous stall torque	22.1 Lbf.In (2.5 N.m) LXM32.D30M2 10 A, 115 V, single phase 22.1 lbf.in (2.5 N.m) LXM32.D18M2 6 A, 230 V, single phase
Peak stall torque	56.6 Lbf.In (6.4 N.m) LXM32.D30M2 10 A, 115 V, single phase 65.5 lbf.in (7.4 N.m) LXM32.D18M2 6 A, 230 V, single phase
Nominal output power	600 W LXM32.D30M2 10 A, 115 V, single phase 900 W LXM32.D18M2 6 A, 230 V, single phase
Nominal torque	20.4 Lbf.In (2.3 N.m) LXM32.D30M2 10 A, 115 V, single phase 18.6 lbf.in (2.1 N.m) LXM32.D18M2 6 A, 230 V, single phase
Nominal speed	2500 rpm LXM32.D30M2 10 A, 115 V, single phase 4000 rpm LXM32.D18M2 6 A, 230 V, single phase
Product compatibility	LXM32.D30M2 115 V single phase LXM32.D18M2 230 V single phase
Shaft end	Keyed
IP Degree of Protection	IP65 standard IP67 with IP67 kit
Speed feedback resolution	131072 points/turn
Holding brake	Without
Mounting Support	International standard flange
Electrical Connection	Rotatable right-angled connectors

#### Complementary

Lexium 32 240 V Three phase 5.38 A
Three phase
·
5 38 Δ
3.30 A
1.51 W
15 A LXM32.D30M2 17.5 A LXM32.D18M2
17.71 A
Without second shaft end
0.4 in (11 mm)
0.9 in (23 mm)
0.7 in (18 mm)
Single turn SinCos Hiperface
2.8 in (70 mm)
2
0.46 N.m/A 248 °F (120 °C)

crpm 248 °F (120 °C)
00.05 (00.00)
m 68 °F (20 °C)
68 °F (20 °C)
68 °F (20 °C)
000 rpm 000 rpm 000 rpm 000 rpm 000 rpm 000 rpm 000 rpm
convection
(154 mm)
60 mm)
(2.5 mm)
i.5 mm)
32 mm)

## Ordering and shipping details

Category	US1PC5318282
Discount Schedule	PC53
GTIN	3606485199948
Returnability	No
Country of origin	DE

## Packing Units

r doming office	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.3 in (11.0 cm)
Package 1 Width	7.9 in (20.0 cm)
Package 1 Length	15.7 in (40.0 cm)
Package 1 Weight	4.4 lb(US) (2.0 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 www.P65Warnings.ca.gov					
REACh Regulation	☑ REACh Declaration					
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)					
Mercury free	Yes					
China RoHS Regulation	China RoHS Declaration					
RoHS exemption information	₫Yes					
Environmental Disclosure	Product Environmental Profile					
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

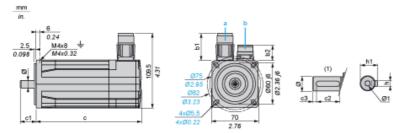
Warranty	18 months

# Product data sheet **Dimensions Drawings**

# BMH0702T31A2A

#### Servo Motors Dimensions

#### **Example with Straight Connectors**



- Power supply for servo motor brake
- Power supply for servo motor encoder Shaft end, keyed slot (optional) b:

#### Dimensions in mm

Straigh connec	traight Rotatable angled connectors		c (without brake)	c (with brake)	с1	c2	с3	h	h1	Ø	Ø1 for screws	
b1	b2	b1	b2									
39.5	25.5	39.5	39.5	154	193	23	18	2.5	4 h9	12.5 <sup>+0</sup> <sub>-0.13</sub>	11 k6	M4 x 14

#### Dimensions in in.

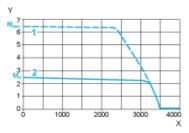
Straight		Rotatable angled connectors		c (without brake)	c (with brake)	c1	c2	с3	h	h1	Ø	Ø1 for screws
b1	b2	b1	b2									
1.55	1	1.55	1.55	6.06	7.59	0.90	0.70	0.09	0.16 h9	0.49 <sup>+0</sup> <sub>-0.0051</sub>	0.43 k6	M4 x 0.55

# BMH0702T31A2A

#### 115 V Single-Phase Supply Voltage

#### Torque/Speed Curves

Servo motor with LXM32•D30M2 servo drive

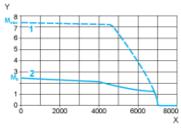


- Speed in rpm
- X Y Torque in Nm
- Peak torque
- 2 Continuous torque

#### 230 V Single-Phase Supply Voltage

#### Torque/Speed Curves

Servo motor with LXM32•D18M2 servo drive



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