BSH0401P06A2A

servo motor BSH, Lexium 32, 0.21N.m, 9000rpm, 40mm, untapped shaft, 16 Sincos single turn, without brake, IP50





Main

Servo motor
BSH
10000 rpm
1.86 Lbf.In (0.21 N.m) LXM32.U60N4 1.5 A, 480 V, three phase 1.86 Lbf.In (0.21 N.m) LXM32.U60N4 1.5 A, 400 V, three phase 1.86 lbf.in (0.21 N.m) LXM32.U45M2 1.5 A, 230 V, single phase
7.08 Lbf.In (0.8 N.m) LXM32.U60N4 1.5 A, 480 V, three phase 7.08 Lbf.In (0.8 N.m) LXM32.U60N4 1.5 A, 400 V, three phase 7.08 lbf.in (0.8 N.m) LXM32.U45M2 1.5 A, 230 V, single phase
166 W LXM32.U60N4 1.5 A, 480 V, three phase 166 W LXM32.U60N4 1.5 A, 400 V, three phase 77 W LXM32.U45M2 1.5 A, 230 V, single phase
1.56 Lbf.In (0.176 N.m) LXM32.U60N4 1.5 A, 480 V, three phase 1.56 Lbf.In (0.176 N.m) LXM32.U60N4 1.5 A, 400 V, three phase 1.63 lbf.in (0.184 N.m) LXM32.U45M2 1.5 A, 230 V, single phase
9000 rpm LXM32.U60N4 1.5 A, 480 V, three phase 9000 rpm LXM32.U60N4 1.5 A, 400 V, three phase 4000 rpm LXM32.U45M2 1.5 A, 230 V, single phase
Smooth shaft
IP50 standard
32768 points/turn
Without
International standard flange
Rotatable right-angled connectors

Complementary

Complementary		
Range Compatibility	Lexium 32	
Supply voltage max	400 V	
Phase	Three phase	
Continuous stall current	1.12 A	
Maximum continuous power	220 W	
Maximum current Irms	4.7 A LXM32.U60N4 480 V 4.7 A LXM32.U60N4 400 V 4.7 A LXM32.U45M2 230 V	
Maximum permanent current	1.12 A	
Switching frequency	8 kHz	
Second shaft	Without second shaft end	
Shaft diameter	0.3 in (8 mm)	
Shaft length	1.0 in (25 mm)	
Feedback type	Single turn SinCos Hiperface	

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 inherent or and is not to be used for determining suitability or inhability of these products for specific user applications. It is the dourn aren in 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.

Motor flange size	1.6 in (40 mm)
Number of motor stacks	1
Torque constant	0.19 N.m/A 248 °F (120 °C)
Back emf constant	13.6 V/krpm 68 °F (20 °C)
Number of motor poles	10
Rotor inertia	0.0232 kg.cm²
Stator resistance	17.2 Ohm 68 °F (20 °C)
Stator inductance	14.6 mH 68 °F (20 °C)
Stator electrical time constant	0.85 ms 68 °F (20 °C)
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	2.89 in (73.4 mm)
Centring collar diameter	1.2 in (30 mm)
Centring collar depth	0.10 in (2.5 mm)
Number of mounting holes	4
Mounting holes diameter	0.2 in (4.5 mm)
Circle diameter of the mounting holes	1.8 in (46 mm)
Net Weight	0.9 lb(US) (0.4 kg)

Ordering and shipping details

Category	US1PC5318282	
Discount Schedule	PC53	
GTIN	3606485467085	
Returnability	No	
Country of origin	DE	

Packing Units

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	6.7 in (17.0 cm)	
Package 1 Length	9.4 in (24.0 cm)	
Package 1 Weight	22.1 oz (627.0 g)	

Offer Sustainability

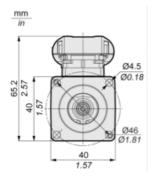
Sustainable offer status	Green Premium product	
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov	
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	

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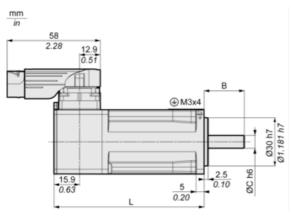
Servo Motors Dimensions

For Servo Motor without Brake

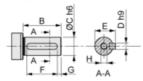
Front view



Left view



DIN 6885 A



	Dimensions in mm	Dimensions in in.
L	73.4	2.89
В	25	0.98
С	8	0.31
D	3	0.12
E	9.2	0.36
F	12	0.47
G	4	0.16
Н	DIN 332 DS M3 x 9	
Α	DIN 6885-A3x3x12	