

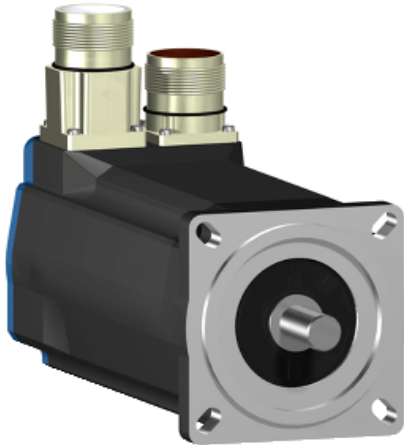
BSH0703P21A2A

AC servo motor BSH - 1.1 N.m - 3000 rpm -
untapped shaft - without brake - IP65

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



Price* : 1,250.00 USD



Main

Product or component type	Servo motor
Device short name	BSH
Maximum mechanical speed	8000 rpm
Continuous stall torque	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 25.04 lbf.in (2.83 N.m) LXM15LD21M3 at 230 V single phase 24.78 lbf.in (2.8 N.m) LXM05AD17M2 at 200...240 V single phase 24.78 lbf.in (2.8 N.m) LXM05AD28M2 at 200...240 V single phase 24.78 lbf.in (2.8 N.m) LXM05BD17M2 at 200...240 V single phase 24.78 lbf.in (2.8 N.m) LXM05BD28M2 at 200...240 V single phase 24.78 lbf.in (2.8 N.m) LXM05CD17M2 at 200...240 V single phase 24.78 lbf.in (2.8 N.m) LXM05CD28M2 at 200...240 V single phase 9.73 lbf.in (1.1 N.m) LXM15LU60N4 at 480 V three phase 9.73 lbf.in (1.1 N.m) LXM15LU60N4 at 400 V three phase 13.27 lbf.in (1.5 N.m) LXM15LU60N4 at 230 V three phase 19.73 lbf.in (2.23 N.m) LXM15LD13M3 at 230 V three phase 21.24 lbf.in (2.4 N.m) LXM15LD10N4 at 230 V three phase 21.24 lbf.in (2.4 N.m) LXM15LD10N4 at 400 V three phase 21.24 lbf.in (2.4 N.m) LXM15LD10N4 at 480 V three phase 25.04 lbf.in (2.83 N.m) LXM15LD17N4 at 230 V three phase 25.04 lbf.in (2.83 N.m) LXM15LD17N4 at 400 V three phase 25.04 lbf.in (2.83 N.m) LXM15LD17N4 at 480 V three phase 25.04 lbf.in (2.83 N.m) LXM15LD21M3 at 230 V three phase 24.78 lbf.in (2.8 N.m) LXM05AD17M3X at 200...240 V three phase 24.78 lbf.in (2.8 N.m) LXM05AD22N4 at 380...480 V three phase 24.78 lbf.in (2.8 N.m) LXM05BD17M3X at 200...240 V three phase 24.78 lbf.in (2.8 N.m) LXM05BD22N4 at 380...480 V three phase 24.78 lbf.in (2.8 N.m) LXM05CD17M3X at 200...240 V three phase 24.78 lbf.in (2.8 N.m) LXM05CD22N4 at 380...480 V three phase
Peak stall torque	100 lbf.in (11.3 N.m) for LXM32.D18N4 6 A at 400 V three phase 100 lbf.in (11.3 N.m) for LXM32.D18N4 6 A at 480 V three phase 53.01 lbf.in (5.99 N.m) LXM15LD21M3 at 230 V single phase 63.36 lbf.in (7.16 N.m) LXM05AD17M2 at 200...240 V single phase 91.15 lbf.in (10.3 N.m) LXM05AD28M2 at 200...240 V single phase 63.36 lbf.in (7.16 N.m) LXM05BD17M2 at 200...240 V single phase 91.15 lbf.in (10.3 N.m) LXM05BD28M2 at 200...240 V single phase

Disclaimer: 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

	<p>63.36 lbf.in (7.16 N.m) LXM05CD17M2 at 200...240 V single phase 91.15 lbf.in (10.3 N.m) LXM05CD28M2 at 200...240 V single phase 29.2 lbf.in (3.3 N.m) LXM15LU60N4 at 480 V three phase 29.2 lbf.in (3.3 N.m) LXM15LU60N4 at 400 V three phase 29.2 lbf.in (3.3 N.m) LXM15LU60N4 at 230 V three phase 53.1 lbf.in (6 N.m) LXM15LD13M3 at 230 V three phase 46.9 lbf.in (5.3 N.m) LXM15LD10N4 at 230 V three phase 46.9 lbf.in (5.3 N.m) LXM15LD10N4 at 400 V three phase 46.9 lbf.in (5.3 N.m) LXM15LD10N4 at 480 V three phase 68.23 lbf.in (7.71 N.m) LXM15LD17N4 at 230 V three phase 68.23 lbf.in (7.71 N.m) LXM15LD17N4 at 400 V three phase 68.23 lbf.in (7.71 N.m) LXM15LD17N4 at 480 V three phase 82.12 lbf.in (9.28 N.m) LXM15LD21M3 at 230 V three phase 63.36 lbf.in (7.16 N.m) LXM05AD17M3X at 200...240 V three phase 77.43 lbf.in (8.75 N.m) LXM05AD22N4 at 380...480 V three phase 63.36 lbf.in (7.16 N.m) LXM05BD17M3X at 200...240 V three phase 77.43 lbf.in (8.75 N.m) LXM05BD22N4 at 380...480 V three phase 63.36 lbf.in (7.16 N.m) LXM05CD17M3X at 200...240 V three phase 77.43 lbf.in (8.75 N.m) LXM05CD22N4 at 380...480 V three phase</p>
Nominal output power	<p>1300 W for LXM32.D18N4 6 A at 400 V three phase 1300 W for LXM32.D18N4 6 A at 480 V three phase 750 W LXM05AD17M2 at 200...240 V single phase 750 W LXM05AD28M2 at 200...240 V single phase 750 W LXM05BD17M2 at 200...240 V single phase 750 W LXM05BD28M2 at 200...240 V single phase 750 W LXM05CD17M2 at 200...240 V single phase 750 W LXM05CD28M2 at 200...240 V single phase 750 W LXM15LD21M3 at 230 V single phase 1250 W LXM15LD10N4 at 400 V three phase 1300 W LXM15LD17N4 at 400 V three phase 1400 W LXM15LD17N4 at 480 V three phase 1500 W LXM15LD10N4 at 480 V three phase 350 W LXM15LU60N4 at 230 V three phase 700 W LXM15LD13M3 at 230 V three phase 700 W LXM15LU60N4 at 400 V three phase 750 W LXM05AD17M3X at 200...240 V three phase 750 W LXM05AD22N4 at 380...480 V three phase 750 W LXM05BD17M3X at 200...240 V three phase 750 W LXM05BD22N4 at 380...480 V three phase 750 W LXM05CD17M3X at 200...240 V three phase 750 W LXM05CD22N4 at 380...480 V three phase 750 W LXM15LD10N4 at 230 V three phase 750 W LXM15LD17N4 at 230 V three phase 750 W LXM15LD21M3 at 230 V three phase 950 W LXM15LU60N4 at 480 V three phase</p>
Nominal torque	<p>19.73 lbf.in (2.23 N.m) LXM15LD13M3 at 230 V three phase 21.24 lbf.in (2.4 N.m) LXM15LD10N4 at 230 V three phase 21.59 lbf.in (2.44 N.m) for LXM32.D18N4 6 A at 400 V three phase 21.59 lbf.in (2.44 N.m) for LXM32.D18N4 6 A at 480 V three phase 21.24 lbf.in (2.4 N.m) LXM05AD17M2 at 200...240 V single phase 21.24 lbf.in (2.4 N.m) LXM05AD28M2 at 200...240 V single phase 21.24 lbf.in (2.4 N.m) LXM05BD17M2 at 200...240 V single phase 21.24 lbf.in (2.4 N.m) LXM05BD28M2 at 200...240 V single phase 21.24 lbf.in (2.4 N.m) LXM05CD17M2 at 200...240 V single phase 21.24 lbf.in (2.4 N.m) LXM05CD28M2 at 200...240 V single phase 21.24 lbf.in (2.4 N.m) LXM15LD21M3 at 230 V single phase 9.91 lbf.in (1.12 N.m) LXM15LU60N4 at 230 V three phase 9.91 lbf.in (1.12 N.m) LXM15LU60N4 at 400 V three phase 9.91 lbf.in (1.12 N.m) LXM15LU60N4 at 480 V three phase 15.93 lbf.in (1.8 N.m) LXM15LD10N4 at 480 V three phase 17.35 lbf.in (1.96 N.m) LXM15LD17N4 at 480 V three phase 17.7 lbf.in (2 N.m) LXM15LD10N4 at 400 V three phase 17.7 lbf.in (2 N.m) LXM15LD17N4 at 400 V three phase 21.24 lbf.in (2.4 N.m) LXM05AD17M3X at 200...240 V three phase 21.24 lbf.in (2.4 N.m) LXM05AD22N4 at 380...480 V three phase 21.24 lbf.in (2.4 N.m) LXM05BD17M3X at 200...240 V three phase 21.24 lbf.in (2.4 N.m) LXM05BD22N4 at 380...480 V three phase 21.24 lbf.in (2.4 N.m) LXM05CD17M3X at 200...240 V three phase 21.24 lbf.in (2.4 N.m) LXM05CD22N4 at 380...480 V three phase 21.24 lbf.in (2.4 N.m) LXM15LD17N4 at 230 V three phase 21.24 lbf.in (2.4 N.m) LXM15LD21M3 at 230 V three phase</p>
Nominal speed	<p>5000 rpm for LXM32.D18N4 6 A at 400 V three phase 5000 rpm for LXM32.D18N4 6 A at 480 V three phase 3000 rpm LXM05AD17M2 at 200...240 V single phase 3000 rpm LXM05AD28M2 at 200...240 V single phase</p>

3000 rpm LXM05BD17M2 at 200...240 V single phase
 3000 rpm LXM05BD28M2 at 200...240 V single phase
 3000 rpm LXM05CD17M2 at 200...240 V single phase
 3000 rpm LXM05CD28M2 at 200...240 V single phase
 3000 rpm LXM15LD21M3 at 230 V single phase
 3000 rpm LXM15LD13M3 at 230 V three phase
 3000 rpm LXM05AD17M3X at 200...240 V three phase
 3000 rpm LXM05BD17M3X at 200...240 V three phase
 3000 rpm LXM05CD17M3X at 200...240 V three phase
 3000 rpm LXM15LU60N4 at 230 V three phase
 8000 rpm LXM15LD10N4 at 480 V three phase
 8000 rpm LXM15LU60N4 at 480 V three phase
 3000 rpm LXM15LD10N4 at 230 V three phase
 6000 rpm LXM15LD10N4 at 400 V three phase
 3000 rpm LXM05AD22N4 at 380...480 V three phase
 3000 rpm LXM05BD22N4 at 380...480 V three phase
 3000 rpm LXM05CD22N4 at 380...480 V three phase
 3000 rpm LXM15LD17N4 at 230 V three phase
 3000 rpm LXM15LD21M3 at 230 V three phase
 6000 rpm LXM15LD17N4 at 400 V three phase
 6000 rpm LXM15LU60N4 at 400 V three phase
 7000 rpm LXM15LD17N4 at 480 V three phase

Product compatibility	LXM05AD17M2 at 200...240 V single phase LXM05AD28M2 at 200...240 V single phase LXM05BD17M2 at 200...240 V single phase LXM05BD28M2 at 200...240 V single phase LXM05CD17M2 at 200...240 V single phase LXM05CD28M2 at 200...240 V single phase LXM15LD21M3 at 230 V single phase LXM15LU60N4 at 230 V three phase LXM15LD13M3 at 230 V three phase LXM15LU60N4 at 400 V three phase LXM15LU60N4 at 480 V three phase LXM15LD10N4 at 400 V three phase LXM05AD17M3X at 200...240 V three phase LXM05BD17M3X at 200...240 V three phase LXM05CD17M3X at 200...240 V three phase LXM15LD10N4 at 230 V three phase LXM15LD10N4 at 480 V three phase LXM15LD21M3 at 230 V three phase LXM15LD17N4 at 230 V three phase LXM05AD22N4 at 380...480 V three phase LXM05BD22N4 at 380...480 V three phase LXM05CD22N4 at 380...480 V three phase LXM15LD17N4 at 400 V three phase LXM15LD17N4 at 480 V three phase LXM32.D18N4 at 400 V three phase LXM32.D18N4 at 480 V three phase
Shaft end	Untapped
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

Range compatibility	Lexium 05 Lexium 15 Lexium 32
Supply voltage max	480 V
Phase	Three phase
Continuous stall current	4.1 A
Maximum continuous power	1.7 W
Maximum current Irms	17 A LXM05AD17M2 17 A LXM05AD17M3X 17 A LXM05AD22N4 17 A LXM05AD28M2 17 A LXM05BD17M2


17 A LXM05BD17M3X
 17 A LXM05BD22N4
 17 A LXM05BD28M2
 17 A LXM05CD17M2
 17 A LXM05CD17M3X
 17 A LXM05CD22N4
 17 A LXM05CD28M2
 15.2 A LXM15LD10N4
 15.2 A LXM15LD13M3
 15.2 A LXM15LD17N4
 15.2 A LXM15LD21M3
 15.2 A LXM15LU60N4
 17 A LXM32.D18N4

Maximum permanent current	17 A
Switching frequency	8 kHz
Second shaft	Without second shaft end
Shaft diameter	0.55 in (14 mm)
Shaft length	1.18 in (30 mm)
Feedback type	Single turn SinCos Hiperface
Motor flange size	2.76 in (70 mm)
Number of motor stacks	3
Torque constant	0.78 N.m/A at 248 °F (120 °C)
Back emf constant	49 V/krpm at 248 °F (120 °C)
Number of motor poles	6
Rotor inertia	0.58 kg.cm ²
Stator resistance	2.7 Ohm at 68 °F (20 °C)
Stator inductance	13 mH at 68 °F (20 °C)
Stator electrical time constant	4.82 ms at 68 °F (20 °C)
Maximum radial force Fr	400 N at 6000 rpm 430 N at 5000 rpm 460 N at 4000 rpm 510 N at 3000 rpm 580 N at 2000 rpm 730 N at 1000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	8.66 in (220 mm)
Centring collar diameter	2.36 in (60 mm)
Centring collar depth	0.1 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)
Product weight	7.98 lb(US) (3.62 kg)

Ordering and shipping details

Category	18282 - LEXIUM 32 MOTORS
Discount Schedule	PC53
GTIN	00785901530596
Nbr. of units in pkg.	1
Package weight(Lbs)	7.919999999999999
Returnability	N
Country of origin	DE

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant
	 Schneider Electric declaration of conformity

REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
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 www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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