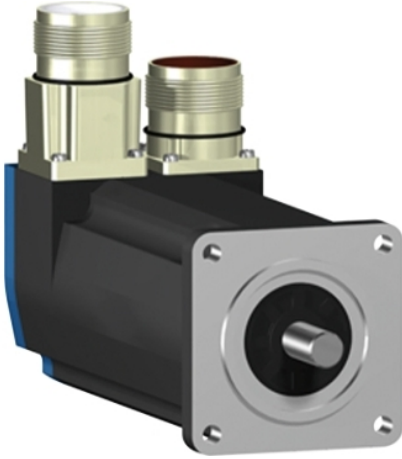






Main

Product or component type	Servo motor
Device short name	BSH
Maximum mechanical speed	9000 rpm
Continuous stall torque	4.42 lbf.in (0.5 N.m) LXM32.U90M2 3 A at 115 V single phase 4.42 lbf.in (0.5 N.m) LXM32.U45M2 1.5 A at 230 V single phase 4.42 lbf.in (0.5 N.m) LXM05CU70M2 at 200...240 V single phase 4.42 lbf.in (0.5 N.m) LXM05AD10F1 at 110...120 V single phase 4.42 lbf.in (0.5 N.m) LXM05AD10M2 at 200...240 V single phase 4.42 lbf.in (0.5 N.m) LXM05BD10F1 at 110...120 V single phase 4.42 lbf.in (0.5 N.m) LXM05BD10M2 at 200...240 V single phase 4.42 lbf.in (0.5 N.m) LXM05CD10F1 at 110...120 V single phase 4.42 lbf.in (0.5 N.m) LXM05CD10M2 at 200...240 V single phase 4.42 lbf.in (0.5 N.m) LXM15LD13M3 at 230 V three phase 4.42 lbf.in (0.5 N.m) LXM05AD10M3X at 200...240 V three phase 4.42 lbf.in (0.5 N.m) LXM05BD10M3X at 200...240 V three phase 4.42 lbf.in (0.5 N.m) LXM05CD10M3X at 200...240 V three phase
Peak stall torque	12.39 lbf.in (1.4 N.m) LXM05AD10F1 at 110...120 V single phase 12.39 lbf.in (1.4 N.m) LXM05AD10M2 at 200...240 V single phase 12.39 lbf.in (1.4 N.m) LXM05BD10F1 at 110...120 V single phase 12.39 lbf.in (1.4 N.m) LXM05BD10M2 at 200...240 V single phase 12.39 lbf.in (1.4 N.m) LXM05CD10F1 at 110...120 V single phase 12.39 lbf.in (1.4 N.m) LXM05CD10M2 at 200...240 V single phase 12.39 lbf.in (1.4 N.m) LXM05AD10M3X at 200...240 V three phase 12.39 lbf.in (1.4 N.m) LXM05BD10M3X at 200...240 V three phase 12.39 lbf.in (1.4 N.m) LXM05CD10M3X at 200...240 V three phase 13.27 lbf.in (1.5 N.m) LXM32.U90M2 3 A at 115 V single phase 12.39 lbf.in (1.4 N.m) LXM32.U45M2 1.5 A at 230 V single phase 9.56 lbf.in (1.08 N.m) LXM05CU70M2 at 200...240 V single phase 10.97 lbf.in (1.24 N.m) LXM15LD13M3 at 230 V three phase
Nominal output power	150 W LXM32.U90M2 3 A at 115 V single phase 300 W LXM32.U45M2 1.5 A at 230 V single phase 150 W LXM05AD10F1 at 110...120 V single phase 150 W LXM05BD10F1 at 110...120 V single phase 150 W LXM05CD10F1 at 110...120 V single phase 150 W LXM05CU70M2 at 200...240 V single phase 270 W LXM05AD10M2 at 200...240 V single phase 270 W LXM05BD10M2 at 200...240 V single phase 270 W LXM05CD10M2 at 200...240 V single phase 270 W LXM05AD10M3X at 200...240 V three phase 270 W LXM05BD10M3X at 200...240 V three phase 270 W LXM05CD10M3X at 200...240 V three phase 340 W LXM15LD13M3 at 230 V three phase

Nominal torque	4.34 lbf.in (0.49 N.m) LXM32.U90M2 3 A at 115 V single phase 3.98 lbf.in (0.45 N.m) LXM32.U45M2 1.5 A at 230 V single phase 3.81 lbf.in (0.43 N.m) LXM05AD10M2 at 200...240 V single phase 3.81 lbf.in (0.43 N.m) LXM05BD10M2 at 200...240 V single phase 3.81 lbf.in (0.43 N.m) LXM05CD10M2 at 200...240 V single phase 4.07 lbf.in (0.46 N.m) LXM05AD10F1 at 110...120 V single phase 4.07 lbf.in (0.46 N.m) LXM05BD10F1 at 110...120 V single phase 4.07 lbf.in (0.46 N.m) LXM05CD10F1 at 110...120 V single phase 4.07 lbf.in (0.46 N.m) LXM05CU70M2 at 200...240 V single phase 3.63 lbf.in (0.41 N.m) LXM15LD13M3 at 230 V three phase 3.81 lbf.in (0.43 N.m) LXM05AD10M3X at 200...240 V three phase 3.81 lbf.in (0.43 N.m) LXM05BD10M3X at 200...240 V three phase 3.81 lbf.in (0.43 N.m) LXM05CD10M3X at 200...240 V three phase
Nominal speed	6000 rpm LXM32.U45M2 1.5 A at 230 V single phase 3000 rpm LXM32.U90M2 3 A at 115 V single phase 3000 rpm LXM05AD10F1 at 110...120 V single phase 3000 rpm LXM05BD10F1 at 110...120 V single phase 3000 rpm LXM05CD10F1 at 110...120 V single phase 3000 rpm LXM05CU70M2 at 200...240 V single phase 6000 rpm LXM05AD10M2 at 200...240 V single phase 6000 rpm LXM05BD10M2 at 200...240 V single phase 6000 rpm LXM05CD10M2 at 200...240 V single phase 6000 rpm LXM05AD10M3X at 200...240 V three phase 6000 rpm LXM05BD10M3X at 200...240 V three phase 6000 rpm LXM05CD10M3X at 200...240 V three phase 8000 rpm LXM15LD13M3 at 230 V three phase
Product compatibility	LXM05AD10F1 at 110...120 V single phase LXM05AD10M2 at 200...240 V single phase LXM05BD10F1 at 110...120 V single phase LXM05BD10M2 at 200...240 V single phase LXM05CD10F1 at 110...120 V single phase LXM05CD10M2 at 200...240 V single phase LXM05CU70M2 at 200...240 V single phase LXM32.U90M2 at 115 V single phase LXM32.U45M2 at 230 V single phase LXM05AD10M3X at 200...240 V three phase LXM05BD10M3X at 200...240 V three phase LXM05CD10M3X at 200...240 V three phase LXM15LD13M3 at 230 V three phase
Shaft end	Untapped
IP degree of protection	IP50 (standard)
Speed feedback resolution	131072 points/turn x 4096 turns
Holding brake	With
Mounting support	International standard flange
Electrical connection	Straight connectors

Complementary

Range compatibility	Lexium 15 Lexium 32 Lexium 05
Supply voltage max	480 V
Phase	Three phase
Continuous stall current	1.4 A
Maximum continuous power	0.45 W
Maximum current Irms	5.4 A LXM05AD10F1 5.4 A LXM05AD10M2 5.4 A LXM05AD10M3X 5.4 A LXM05BD10F1 5.4 A LXM05BD10M2 5.4 A LXM05BD10M3X 5.4 A LXM05CD10F1 5.4 A LXM05CD10M2 5.4 A LXM05CD10M3X 5.4 A LXM05CU70M2 6.2 A LXM15LD13M3 5.4 A LXM32.U90M2 4.5 A LXM32.U45M2
Maximum permanent current	5.4 A
Switching frequency	8 kHz
Second shaft	Without second shaft end
Shaft diameter	0.35 in (9 mm)
Shaft length	0.79 in (20 mm)
Feedback type	Multiturn SinCos Hiperface
Holding torque	7.08 lbf.in (0.8 N.m) (holding brake)
Motor flange size	2.17 in (55 mm)
Number of motor stacks	1
Torque constant	0.36 N.m/A at 248 °F (120 °C)
Back emf constant	22 V/krpm at 248 °F (120 °C)
Number of motor poles	6
Rotor inertia	0.0803 kg.cm ²
Stator resistance	12.2 Ohm at 68 °F (20 °C)
Stator inductance	20.8 mH at 68 °F (20 °C)
Stator electrical time constant	1.7 ms at 68 °F (20 °C)
Maximum radial force Fr	170 N at 8000 rpm 180 N at 7000 rpm 190 N at 6000 rpm 200 N at 5000 rpm 220 N at 4000 rpm 240 N at 3000 rpm 270 N at 2000 rpm 340 N at 1000 rpm
Maximum axial force Fa	0.2 x Fr
Brake pull-in power	10 W
Type of cooling	Natural convection
Length	6.26 in (159 mm)
Centring collar diameter	1.57 in (40 mm)
Centring collar depth	0.08 in (2 mm)
Number of mounting holes	4
Mounting holes diameter	0.22 in (5.5 mm)
Circle diameter of the mounting holes	2.48 in (63 mm)
Product weight	2.87 lb(US) (1.3 kg)

Ordering and shipping details

Category	18282 - LEXIUM 32 MOTORS
Discount Schedule	PC53
GTIN	003389118158405
Nbr. of units in pkg.	1
Package weight(Lbs)	2.1000000000000001
Returnability	N
Country of origin	DE

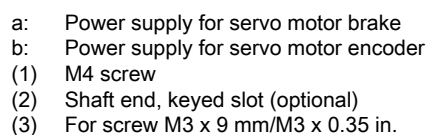
Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0850 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity
REACH	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
-----------------	-----------

Example with Straight Connectors



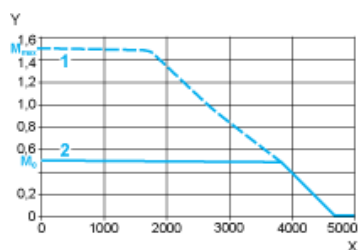
Straight connectors		Rotatable angled connectors		c (without brake)	c (with brake)
b	b1	b	b1		
39.5	25.5	39.5	39.5	132.5	159

Straight connectors		Rotatable angled connectors		c (without brake)	c (with brake)
b	b1	b	b1		
1.55	1.00	1.55	1.55	5.21	6.25

115 V Single-Phase Supply Voltage

Torque/Speed Curves

Servo motor with LXM32-U90M2 servo drive

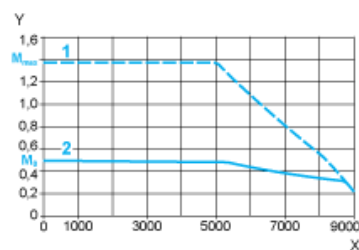


- X Speed in rpm
- Y Torque in Nm
- 1 Peak torque
- 2 Continuous torque

230 V Single-Phase Supply Voltage

Torque/Speed Curves

Servo motor with LXM32-U45M2 servo drive



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