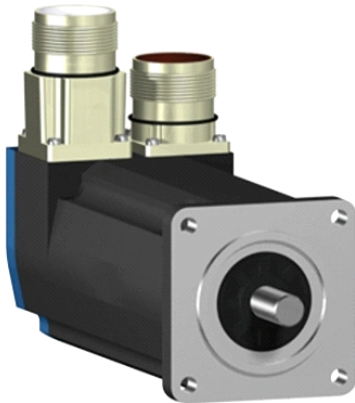




Main

Product or component type	Servo motor
Device short name	BSH
Maximum mechanical speed	9000 rpm
Continuous stall torque	11.5 lbf.in (1.3 N.m) LXM05AD10M2 at 200...240 V single phase 11.5 lbf.in (1.3 N.m) LXM05BD10M2 at 200...240 V single phase 11.5 lbf.in (1.3 N.m) LXM05CD10M2 at 200...240 V single phase 11.5 lbf.in (1.3 N.m) LXM15LD13M3 at 230 V single phase 11.5 lbf.in (1.3 N.m) LXM05AD10M3X at 200...240 V three phase 11.5 lbf.in (1.3 N.m) LXM05BD10M3X at 200...240 V three phase 11.5 lbf.in (1.3 N.m) LXM05CD10M3X at 200...240 V three phase 11.5 lbf.in (1.3 N.m) LXM15LD13M3 at 230 V three phase 11.5 lbf.in (1.3 N.m) LXM15LD10N4 at 400 V three phase 11.5 lbf.in (1.3 N.m) LXM05AD14N4 at 380...480 V three phase 11.5 lbf.in (1.3 N.m) LXM05BD14N4 at 380...480 V three phase 11.5 lbf.in (1.3 N.m) LXM05CD14N4 at 380...480 V three phase 9.29 lbf.in (1.05 N.m) LXM32.U60N4 1.5 A at 480 V three phase 9.29 lbf.in (1.05 N.m) LXM32.U60N4 1.5 A at 400 V three phase
Peak stall torque	23.89 lbf.in (2.7 N.m) LXM15LD13M3 at 230 V single phase 28.14 lbf.in (3.18 N.m) LXM05AD10M2 at 200...240 V single phase 28.14 lbf.in (3.18 N.m) LXM05BD10M2 at 200...240 V single phase 28.14 lbf.in (3.18 N.m) LXM05CD10M2 at 200...240 V single phase 23.89 lbf.in (2.7 N.m) LXM15LD13M3 at 230 V three phase 34.25 lbf.in (3.87 N.m) LXM15LD10N4 at 400 V three phase 28.14 lbf.in (3.18 N.m) LXM05AD10M3X at 200...240 V three phase 34.25 lbf.in (3.87 N.m) LXM05AD14N4 at 380...480 V three phase 28.14 lbf.in (3.18 N.m) LXM05BD10M3X at 200...240 V three phase 34.25 lbf.in (3.87 N.m) LXM05BD14N4 at 380...480 V three phase 28.14 lbf.in (3.18 N.m) LXM05CD10M3X at 200...240 V three phase 34.25 lbf.in (3.87 N.m) LXM05CD14N4 at 380...480 V three phase 30.97 lbf.in (3.5 N.m) LXM32.U60N4 1.5 A at 480 V three phase 30.97 lbf.in (3.5 N.m) LXM32.U60N4 1.5 A at 400 V three phase
Nominal output power	340 W LXM15LD13M3 at 230 V single phase 350 W LXM05AD10M2 at 200...240 V single phase 350 W LXM05BD10M2 at 200...240 V single phase 350 W LXM05CD10M2 at 200...240 V single phase 340 W LXM15LD13M3 at 230 V three phase 350 W LXM05AD10M3X at 200...240 V three phase 350 W LXM05AD14N4 at 380...480 V three phase

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. 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. It is the duty of any such user or 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.

	350 W LXM05BD10M3X at 200...240 V three phase 350 W LXM05BD14N4 at 380...480 V three phase 350 W LXM05CD10M3X at 200...240 V three phase 350 W LXM05CD14N4 at 380...480 V three phase 670 W LXM15LD10N4 at 400 V three phase 400 W LXM32.U60N4 1.5 A at 400 V three phase 400 W LXM32.U60N4 1.5 A at 480 V three phase
Nominal torque	9.56 lbf.in (1.08 N.m) LXM15LD13M3 at 230 V single phase 9.73 lbf.in (1.1 N.m) LXM05AD10M2 at 200...240 V single phase 9.73 lbf.in (1.1 N.m) LXM05BD10M2 at 200...240 V single phase 9.73 lbf.in (1.1 N.m) LXM05CD10M2 at 200...240 V single phase 7.08 lbf.in (0.8 N.m) LXM15LD10N4 at 400 V three phase 9.56 lbf.in (1.08 N.m) LXM15LD13M3 at 230 V three phase 9.73 lbf.in (1.1 N.m) LXM05AD10M3X at 200...240 V three phase 9.73 lbf.in (1.1 N.m) LXM05AD14N4 at 380...480 V three phase 9.73 lbf.in (1.1 N.m) LXM05BD10M3X at 200...240 V three phase 9.73 lbf.in (1.1 N.m) LXM05BD14N4 at 380...480 V three phase 9.73 lbf.in (1.1 N.m) LXM05CD10M3X at 200...240 V three phase 9.73 lbf.in (1.1 N.m) LXM05CD14N4 at 380...480 V three phase 5.75 lbf.in (0.65 N.m) LXM32.U60N4 1.5 A at 400 V three phase 5.75 lbf.in (0.65 N.m) LXM32.U60N4 1.5 A at 480 V three phase
Nominal speed	3000 rpm LXM05AD10M2 at 200...240 V single phase 3000 rpm LXM05BD10M2 at 200...240 V single phase 3000 rpm LXM05CD10M2 at 200...240 V single phase 3000 rpm LXM15LD13M3 at 230 V single phase 3000 rpm LXM05AD10M3X at 200...240 V three phase 3000 rpm LXM05AD14N4 at 380...480 V three phase 3000 rpm LXM05BD10M3X at 200...240 V three phase 3000 rpm LXM05BD14N4 at 380...480 V three phase 3000 rpm LXM05CD10M3X at 200...240 V three phase 3000 rpm LXM05CD14N4 at 380...480 V three phase 3000 rpm LXM15LD13M3 at 230 V three phase 8000 rpm LXM15LD10N4 at 400 V three phase 6000 rpm LXM32.U60N4 1.5 A at 480 V three phase 6000 rpm LXM32.U60N4 1.5 A at 400 V three phase
Product compatibility	LXM05AD10M2 at 200...240 V single phase LXM05BD10M2 at 200...240 V single phase LXM05CD10M2 at 200...240 V single phase LXM15LD13M3 at 230 V single phase LXM32.U60N4 at 400 V three phase LXM32.U60N4 at 480 V three 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 LXM05AD14N4 at 380...480 V three phase LXM05BD14N4 at 380...480 V three phase LXM05CD14N4 at 380...480 V three phase LXM15LD10N4 at 400 V three 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	Straight connectors

Complementary

Range compatibility	Lexium 05 Lexium 15 Lexium 32
[Us] rated supply voltage	480 V
Phase	Three phase
Continuous stall current	1.7 A
Continuous power	0.97 W
Maximum current Irms	6.5 A LXM05AD10M2 6.5 A LXM05AD10M3X 6.5 A LXM05AD14N4 6.5 A LXM05BD10M2 6.5 A LXM05BD10M3X 6.5 A LXM05BD14N4 6.5 A LXM05CD10M2 6.5 A LXM05CD10M3X 6.5 A LXM05CD14N4 8.7 A LXM15LD10N4 8.7 A LXM15LD13M3 6 A LXM32.U60N4
Maximum permanent current	6.5 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)
Key width	0.47 in (12 mm)
Feedback type	Single turn SinCos Hiperface
Motor flange size	2.17 in (55 mm)
Number of motor stacks	3
Torque constant	0.7 N.m/A at 248 °F (120 °C)
Back emf constant	41 V/krpm at 248 °F (120 °C)
Number of motor poles	6
Rotor inertia	0.134 kg.cm ²
Stator resistance	10.4 Ohm at 68 °F (20 °C)
Stator inductance	25 mH at 68 °F (20 °C)
Stator electrical time constant	2.4 ms at 68 °F (20 °C)
Maximum radial force Fr	190 N at 8000 rpm 200 N at 7000 rpm 210 N at 6000 rpm 230 N at 5000 rpm 240 N at 4000 rpm 270 N at 3000 rpm 310 N at 2000 rpm 390 N at 1000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	6.95 in (176.5 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	3.88 lb(US) (1.76 kg)

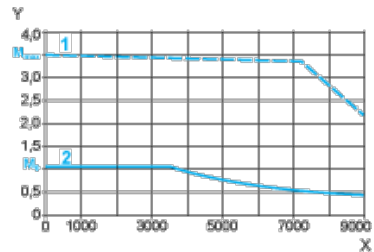
Environment

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

480 V 3-Phase Supply Voltage

Torque/Speed Curves

Servo motor with LXM32•U60N4 servo drive



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