

AC servo motor BSH, Lexium 05, 19.5N.m, 1500rpm, keyed shaft, without brake, IP65

BSH1402M32A2A

! Discontinued

Main

Device Short Name BSH Maximum Mechanical Speed 4000 rpm Continuous Stall Torque 19.5 N.m for LXM15MD40N4, 400 V, three phase 19.2 N.m for LXM05AD34N4, 380480 V, three phase 19.2 N.m for LXM05AD34N4, 380480 V, three phase 19.2 N.m for LXM05AD34N4, 380480 V, three phase 47.5 N.m for LXM05AD34N4, 380480 V, three phase 2350 W for LXM05CD34N4, 380480 V, three phase 2350 W for LXM05AD34N4, 380480 V, three phase 2350 W for LXM05AD34N4, 380480 V, three phase 2350 W for LXM05AD34N4, 380480 V, three phase 15 N.m for LXM05AD34N4, 400 V, three phase 15 N.m for LXM15MD40N4, 400 V, three phase 15 N.m for LXM15MD40N4		
Maximum Mechanical Speed 4000 rpm 19.5 N.m for LXM15MD40N4, 400 V, three phase 19.2 N.m for LXM05AD34N4, 380480 V, three phase 47.5 N.m for LXM15MD40N4, 400 V, three phase 47.5 N.m for LXM05AD34N4, 380480 V, three phase 2350 W for LXM05AD34N4, 380480 V, three phase 1350 W for LXM15MD40N4, 400 V, three phase 15 N.m for LXM05BD34N4, 380480 V, three phase 15 N.m for LXM15MD40N4, 400 V, three phase 15 N.m for LXM15MD40N4, 400 V, three phase 15 N.m for LXM15MD40N4, 400 V, three phase 15 N.m for LXM15MD40N4, 480 V, three phase 1500 rpm for LXM15MD40N	Product Or Component Type	Servo motor
19.5 N.m for LXM15MD40N4, 400 V, three phase 19.5 N.m for LXM15MD40N4, 480 V, three phase 19.2 N.m for LXM15MD40N4, 480 V, three phase 19.2 N.m for LXM55D34N4, 380480 V, three phase 19.2 N.m for LXM55D34N4, 380480 V, three phase 19.2 N.m for LXM55D34N4, 380480 V, three phase 47.5 N.m for LXM55D34N4, 380480 V, three phase 2350 W for LXM55D34N4, 380480 V, three phase 15 N.m for LXM55D34N4, 380480 V, three phase 1500 rpm for LXM55D34N4, 380480 V, three phase LXM55	Device Short Name	BSH
19.5 N.m for LXM15MD40N4, 480 V, three phase 19.2 N.m for LXM05AD34N4, 380480 V, three phase 19.2 N.m for LXM05ED34N4, 380480 V, three phase 19.2 N.m for LXM05ED34N4, 380480 V, three phase 19.2 N.m for LXM15MD40N4, 400 V, three phase 47.5 N.m for LXM15MD40N4, 400 V, three phase 47.5 N.m for LXM15MD40N4, 400 V, three phase 47.5 N.m for LXM05ED34N4, 380480 V, three phase 2350 W for LXM15MD40N4, 480 V, three phase 2350 W for LXM15MD40N4, 480 V, three phase 15 N.m for LXM05ED34N4, 380480 V, three phase LXM05ED34N4 at 330480 V, three phase LXM05ED34N4 at 3304	Maximum Mechanical Speed	4000 rpm
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19.2 N.m for LXM05CD34N4, 380480 V, three phase		·
Peak Stall Torque 47.5 N.m for LXM15MD40N4, 480 V, three phase		
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47.5 N.m for LXM05AD34N4, 380480 V, three phase	Peak Stall Torque	47.5 N.m for LXM15MD40N4, 400 V, three phase
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Product Compatibility LXM05AD34N4 at 380480 V three phase LXM05CD34N4 at 380480 V three phase LXM05CD34N4 at 380480 V three phase LXM15MD40N4 at 400 V three phase LXM15MD40N4 at 480 V three phase LXM15MD40N4 at 480 V three phase Shaft End Keyed IP65 standard IP67 with IP67 kit Speed Feedback Resolution 131072 points/turn x 4096 turns Holding Brake Without Mounting Support International standard flange		· · · · · · · · · · · · · · · · · · ·
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LXM05CD34N4 at 380480 V three phase LXM15MD40N4 at 400 V three phase LXM15MD40N4 at 480 V three phase Shaft End Keyed Ip Degree Of Protection IP65 standard IP67 with IP67 kit Speed Feedback Resolution 131072 points/turn x 4096 turns Holding Brake Without International standard flange	Product Compatibility	LXM05AD34N4 at 380480 V three phase
LXM15MD40N4 at 400 V three phase LXM15MD40N4 at 480 V three phase Shaft End Keyed Ip Degree Of Protection IP65 standard IP67 with IP67 kit Speed Feedback Resolution 131072 points/turn x 4096 turns Holding Brake Without Mounting Support International standard flange		·
LXM15MD40N4 at 480 V three phase Shaft End Keyed Ip Degree Of Protection IP65 standard IP67 with IP67 kit Speed Feedback Resolution 131072 points/turn x 4096 turns Holding Brake Without Mounting Support International standard flange		
Shaft End Keyed Ip Degree Of Protection IP65 standard IP67 with IP67 kit Speed Feedback Resolution 131072 points/turn x 4096 turns Holding Brake Without Mounting Support International standard flange		·
Ip Degree Of Protection IP65 standard IP67 with IP67 kit Speed Feedback Resolution 131072 points/turn x 4096 turns Holding Brake Without Mounting Support International standard flange		LXM15MD40N4 at 480 V three phase
IP67 with IP67 kit Speed Feedback Resolution 131072 points/turn x 4096 turns Holding Brake Without Mounting Support International standard flange	Shaft End	Keyed
Speed Feedback Resolution 131072 points/turn x 4096 turns Holding Brake Without Mounting Support International standard flange	Ip Degree Of Protection	IP65 standard
Holding Brake Without Mounting Support International standard flange		IP67 with IP67 kit
Mounting Support International standard flange	Speed Feedback Resolution	131072 points/turn x 4096 turns
- · · · · · · · · · · · · · · · · · · ·	Holding Brake	Without
Electrical Connection Rotatable right-angled connectors	Mounting Support	International standard flange
	Electrical Connection	Rotatable right-angled connectors

Complementary

Range Compatibility	Lexium 05 Lexium 15
Supply Voltage Max	480 V
Network Number Of Phases	Three phase
Continuous Stall Current	6.7 A
Maximum Continuous Power	5.5 W
Maximum Current Irms	22.4 A for LXM15MD40N4 22.4 A for LXM05AD34N4 22.4 A for LXM05BD34N4 22.4 A for LXM05CD34N4
Maximum Permanent Current	22.4 A
Switching Frequency	4 kHz
Second Shaft	Without second shaft end
Shaft Diameter	24 mm
Shaft Length	50 mm
Key Width	40 mm
Feedback Type	Multiturn SinCos Hiperface
Motor Flange Size	140 mm
Torque Constant	2.91 N.m/A at 120 °C
Back Emf Constant	199 V/krpm at 120 °C
Number Of Motor Poles	10
Rotor Inertia	12.68 kg.cm²
Stator Resistance	2.3 Ohm at 20 °C
	2.32 Ohm at 20 °C
Stator Inductance	
_	2.32 Ohm at 20 °C 28.6 mH at 20 °C
Stator Inductance	2.32 Ohm at 20 °C 28.6 mH at 20 °C 29.79 mH at 20 °C 12.33 ms at 20 °C
Stator Inductance Stator Electrical Time Constant	2.32 Ohm at 20 °C 28.6 mH at 20 °C 29.79 mH at 20 °C 12.33 ms at 20 °C 12.85 ms at 20 °C 1680 N at 3000 rpm 1930 N at 2000 rpm
Stator Inductance Stator Electrical Time Constant Maximum Radial Force Fr	2.32 Ohm at 20 °C 28.6 mH at 20 °C 29.79 mH at 20 °C 12.33 ms at 20 °C 12.85 ms at 20 °C 1680 N at 3000 rpm 1930 N at 2000 rpm 2430 N at 1000 rpm
Stator Inductance Stator Electrical Time Constant Maximum Radial Force Fr Maximum Axial Force Fa	2.32 Ohm at 20 °C 28.6 mH at 20 °C 29.79 mH at 20 °C 12.33 ms at 20 °C 12.85 ms at 20 °C 1680 N at 3000 rpm 1930 N at 2000 rpm 2430 N at 1000 rpm 0.2 x Fr
Stator Inductance Stator Electrical Time Constant Maximum Radial Force Fr Maximum Axial Force Fa Type Of Cooling	2.32 Ohm at 20 °C 28.6 mH at 20 °C 29.79 mH at 20 °C 12.33 ms at 20 °C 12.85 ms at 20 °C 1680 N at 3000 rpm 1930 N at 2000 rpm 2430 N at 1000 rpm 0.2 x Fr Natural convection
Stator Inductance Stator Electrical Time Constant Maximum Radial Force Fr Maximum Axial Force Fa Type Of Cooling Length	2.32 Ohm at 20 °C 28.6 mH at 20 °C 29.79 mH at 20 °C 12.33 ms at 20 °C 12.85 ms at 20 °C 1680 N at 3000 rpm 1930 N at 2000 rpm 2430 N at 1000 rpm 0.2 x Fr Natural convection
Stator Inductance Stator Electrical Time Constant Maximum Radial Force Fr Maximum Axial Force Fa Type Of Cooling Length Centring Collar Diameter	2.32 Ohm at 20 °C 28.6 mH at 20 °C 29.79 mH at 20 °C 12.33 ms at 20 °C 12.85 ms at 20 °C 1680 N at 3000 rpm 1930 N at 2000 rpm 2430 N at 1000 rpm 0.2 x Fr Natural convection 272.5 mm
Stator Inductance Stator Electrical Time Constant Maximum Radial Force Fr Maximum Axial Force Fa Type Of Cooling Length Centring Collar Diameter Centring Collar Depth	2.32 Ohm at 20 °C 28.6 mH at 20 °C 29.79 mH at 20 °C 12.33 ms at 20 °C 12.85 ms at 20 °C 1680 N at 3000 rpm 1930 N at 2000 rpm 2430 N at 1000 rpm 0.2 x Fr Natural convection 272.5 mm 130 mm 3.5 mm
Stator Inductance Stator Electrical Time Constant Maximum Radial Force Fr Maximum Axial Force Fa Type Of Cooling Length Centring Collar Diameter Centring Collar Depth Number Of Mounting Holes	2.32 Ohm at 20 °C 28.6 mH at 20 °C 29.79 mH at 20 °C 12.33 ms at 20 °C 12.85 ms at 20 °C 1680 N at 3000 rpm 1930 N at 2000 rpm 2430 N at 1000 rpm 0.2 x Fr Natural convection 272.5 mm 130 mm 3.5 mm

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

Contractual warranty

Warranty

Apr 23, 2024

18 months