# Product data sheet

Specifications



servo motor BSH, Lexium 05, 3.4N.m, 2500rpm, 100mm, keyed shaft, Sincos multi turn, without brake, IP50

BSH1002P12A2A

## Main

Product Or Component Type	Servo motor							
Device Short Name	BSH							
Maximum Mechanical Speed	6000 rpm							
Continuous Stall Torque	4.5 N.m for LXM15LD21M3, 230 V, single phase							
	3.4 N.m for LXM15LD13M3, 230 V, three phase							
	3.4 N.m for LXM15LD10N4, 230 V, three phase							
	3.4 N.m for LXM15LD10N4, 400 V, three phase							
	3.4 N.m for LXM15LD10N4, 480 V, three phase							
	5.8 N.m for LXM15LD17N4, 400 V, three phase							
	5.8 N.m for LXM15LD17N4, 480 V, three phase							
	5.8 N.m for LXM15LD21M3, 230 V, three phase							
	5.5 N.m for LXM05AD17M3X, 200240 V, three phase							
	5.5 N.m for LXM05AD22N4, 380480 V, three phase							
	5.5 N.m for LXM05AD28M2, 200240 V, single phase							
	5.5 N.m for LXM05BD17M3X, 200240 V, three phase							
	5.5 N.m for LXM05BD22N4, 380480 V, three phase							
	5.5 N.m for LXM05BD28M2, 200240 V, single phase							
	5.5 N.m for LXM05CD17M3X, 200240 V, three phase							
	5.5 N.m for LXM05CD22N4, 380480 V, three phase							
	5.5 N.m for LXM05CD28M2, 200240 V, single phase							
	5.8 N.m for LXM32.D18N4 at 6 A, 400 V, three phase							
	5.8 N.m for LXM32.D18N4 at 6 A, 480 V, three phase							
Peak Stall Torque	9.39 N.m for LXM15LD21M3, 230 V, single phase							
	5.6 N.m for LXM15LD13M3, 230 V, three phase							
	8 N.m for LXM15LD10N4, 230 V, three phase							
	8 N.m for LXM15LD10N4, 400 V, three phase							
	8 N.m for LXM15LD10N4, 480 V, three phase							
	12.13 N.m for LXM15LD17N4, 400 V, three phase							
	12.13 N.m for LXM15LD17N4, 480 V, three phase							
	14.79 N.m for LXM15LD21M3, 230 V, three phase							
	11.23 N.m for LXM05AD17M3X, 200240 V, three phase							
	13.92 N.m for LXM05AD22N4, 380480 V, three phase							
	16 N.m for LXM05AD28M2, 200240 V, single phase							
	11.23 N.m for LXM05BD17M3X, 200240 V, three phase							
	13.92 N.m for LXM05BD22N4, 380480 V, three phase							
	16 N.m for LXM05BD28M2, 200240 V, single phase							
	11.23 N.m for LXM05CD17M3X, 200240 V, three phase							
	13.92 N.m for LXM05CD22N4, 380480 V, three phase							
	16 N.m for LXM05CD28M2, 200240 V, single phase							
	18.3 N.m for LXM32.D18N4 at 6 A, 400 V, three phase							
	18.3 N.m for LXM32.D18N4 at 6 A, 480 V, three phase							

Nominal Output Power	950 W for LXM15LD21M3, 230 V, single phase
	950 W for LXM15LD21M3, 230 V, three phase
	780 W for LXM05AD28M2, 200240 V, single phase
	780 W for LXM05BD28M2, 200240 V, single phase
	780 W for LXM05CD28M2, 200240 V, single phase
	1400 W for LXM05AD22N4, 380480 V, three phase
	1400 W for LXM05BD22N4, 380480 V, three phase
	1400 W for LXM05CD22N4, 380480 V, three phase
	1600 W for LXM15LD10N4, 400 V, three phase
	1700 W for LXM15LD17N4, 400 V, three phase
	1950 W for LXM15LD17N4, 480 V, three phase
	2150 W for LXM15LD10N4, 480 V, three phase
	780 W for LXM05AD17M3X, 200240 V, three phase
	780 W for LXM05BD17M3X, 200240 V, three phase
	780 W for LXM05CD17M3X, 200240 V, three phase
	840 W for LXM15LD13M3, 230 V, three phase
	890 W for LXM15LD10N4, 230 V, three phase
	1700 W for LXM32.D18N4 at 6 A, 400 V, three phase
	1700 W for LXM32.D18N4 at 6 A, 480 V, three phase
Nominal Torque	4.5 N.m for LXM15LD21M3, 230 V, single phase
•	4.96 N.m for LXM05AD28M2, 200240 V, single phase
	4.96 N.m for LXM05BD28M2, 200240 V, single phase
	4.96 N.m for LXM05CD28M2, 200240 V, single phase
	3.4 N.m for LXM15LD10N4, 230 V, three phase
	3.4 N.m for LXM15LD10N4, 400 V, three phase
	3.4 N.m for LXM15LD10N4, 480 V, three phase
	3.4 N.m for LXM15LD13M3, 230 V, three phase
	3.7 N.m for LXM15LD17N4, 480 V, three phase
	4 N.m for LXM15LD17N4, 400 V, three phase
	4.4 N.m for LXM05AD22N4, 380480 V, three phase
	4.4 N.m for LXM05BD22N4, 380480 V, three phase
	4.4 N.m for LXM05CD22N4, 380480 V, three phase
	4.96 N.m for LXM05AD17M3X, 200240 V, three phase
	4.96 N.m for LXM05BD17M3X, 200240 V, three phase
	4.96 N.m for LXM05CD17M3X, 200240 V, three phase
	5.8 N.m for LXM15LD21M3, 230 V, three phase
	4 N.m for LXM32.D18N4 at 6 A, 400 V, three phase
	4 N.m for LXM32.D18N4 at 6 A, 480 V, three phase
Nominal Speed	3000 rpm for LXM05AD22N4, 380480 V, three phase
	3000 rpm for LXM05BD22N4, 380480 V, three phase
	3000 rpm for LXM05CD22N4, 380480 V, three phase
	1500 rpm for LXM05AD17M3X, 200240 V, three phase
	1500 rpm for LXM05BD17M3X, 200240 V, three phase
	1500 rpm for LXM05CD17M3X, 200240 V, three phase
	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase
	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase
	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase
	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase
	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase 1500 rpm for LXM05AD28M2, 200240 V, single phase
	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase 1500 rpm for LXM05AD28M2, 200240 V, single phase 1500 rpm for LXM05BD28M2, 200240 V, single phase
	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase 1500 rpm for LXM05AD28M2, 200240 V, single phase 1500 rpm for LXM05BD28M2, 200240 V, single phase 1500 rpm for LXM05BD28M2, 200240 V, single phase
	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase 1500 rpm for LXM05AD28M2, 200240 V, single phase 1500 rpm for LXM05BD28M2, 200240 V, single phase 1500 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM15LD21M3, 230 V, single phase
	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase 1500 rpm for LXM05AD28M2, 200240 V, single phase 1500 rpm for LXM05CD28M2, 200240 V, single phase 1500 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase
	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase 1500 rpm for LXM05AD28M2, 200240 V, single phase 1500 rpm for LXM05BD28M2, 200240 V, single phase 1500 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase
	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase 1500 rpm for LXM05AD28M2, 200240 V, single phase 1500 rpm for LXM05BD28M2, 200240 V, single phase 1500 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM15LD21M3, 230 V, single phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD13M3, 230 V, three phase
	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase 1500 rpm for LXM05AD28M2, 200240 V, single phase 1500 rpm for LXM05BD28M2, 200240 V, single phase 1500 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM05LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD13M3, 230 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase
	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase 1500 rpm for LXM05AD28M2, 200240 V, single phase 1500 rpm for LXM05BD28M2, 200240 V, single phase 1500 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM15LD21M3, 230 V, single phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD13M3, 230 V, three phase
Product Compatibility	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase 1500 rpm for LXM05AD28M2, 200240 V, single phase 1500 rpm for LXM05BD28M2, 200240 V, single phase 1500 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM05LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD13M3, 230 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase
Product Compatibility	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase 1500 rpm for LXM05AD28M2, 200240 V, single phase 1500 rpm for LXM05D28M2, 200240 V, single phase 1500 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM15LD21M3, 230 V, single phase 2500 rpm for LXM15LD11M3, 230 V, three phase 2500 rpm for LXM15LD13M3, 230 V, three phase 2500 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase
Product Compatibility	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase 1500 rpm for LXM05AD28M2, 200240 V, single phase 1500 rpm for LXM05BD28M2, 200240 V, single phase 1500 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM15LD21M3, 230 V, single phase 2500 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase 2000 rpm for LXM15LD17N4, 480 V, three phase
Product Compatibility	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase 1500 rpm for LXM05AD28M2, 200240 V, single phase 1500 rpm for LXM05CD28M2, 200240 V, single phase 1500 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD17N4, 400 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase 2500 rpm for LXM15LD17N4, 400 V, three phase 2000 rpm for LXM15LD17N4, 400 V, three phase 2000 rpm for LXM15LD17N4, 400 V, three phase
Product Compatibility	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase 1500 rpm for LXM05AD28M2, 200240 V, single phase 1500 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD17N4, 400 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 400 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 400 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase
Product Compatibility	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase 1500 rpm for LXM05AD28M2, 200240 V, single phase 1500 rpm for LXM05BD28M2, 200240 V, single phase 1500 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD17N4, 400 V, three phase 4000 rpm for LXM15LD17N4, 480 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase LXM05AD28M2 at 200240 V single phase LXM05D28M2 at 200240 V single phase LXM05D28M2 at 200240 V single phase LXM05D21M3 at 230 V single phase
Product Compatibility	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase 1500 rpm for LXM05AD28M2, 200240 V, single phase 1500 rpm for LXM05BD28M2, 200240 V, single phase 2000 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD1N4, 230 V, three phase 2500 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase 2000 rpm for LXM15LD17N4, 480 V V ingle phase 2000 rpm for LXM15LD13M3 at 230 V ingle phase
Product Compatibility	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase 1500 rpm for LXM05AD28M2, 200240 V, single phase 1500 rpm for LXM05BD28M2, 200240 V, single phase 2000 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD17N4, 400 V, three phase 4000 rpm for LXM15LD17N4, 480 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase LXM05AD28M2 at 200240 V single phase LXM05BD28M2 at 200240 V single phase LXM05BD28M2 at 200240 V single phase LXM15LD21M3 at 230 V three phase LXM15LD13M3 at 230 V three phase LXM15LD13M3 at 230 V three phase
Product Compatibility	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase 1500 rpm for LXM05AD28M2, 200240 V, single phase 1500 rpm for LXM05BD28M2, 200240 V, single phase 2000 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD17N4, 400 V, three phase 4000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase LXM05AD28M2 at 200240 V single phase LXM05D28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM15LD13M3 at 230 V three phase
Product Compatibility	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase 1500 rpm for LXM05AD28M2, 200240 V, single phase 1500 rpm for LXM05BD28M2, 200240 V, single phase 2000 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 400 V, three phase 4000 rpm for LXM15LD17N4, 480 V, three phase LXM05AD28M2 at 200240 V single phase LXM05AD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM15LD113M3 at 230 V three phase LXM15LD13M3 at 230 V three phase LXM05AD17M3X at 200240 V three phase
Product Compatibility	<ul> <li>1500 rpm for LXM05CD17M3X, 200240 V, three phase</li> <li>4500 rpm for LXM15LD10N4, 400 V, three phase</li> <li>6000 rpm for LXM15LD10N4, 480 V, three phase</li> <li>4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase</li> <li>4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase</li> <li>1500 rpm for LXM05AD28M2, 200240 V, single phase</li> <li>1500 rpm for LXM05AD28M2, 200240 V, single phase</li> <li>1500 rpm for LXM05D28M2, 200240 V, single phase</li> <li>2000 rpm for LXM15LD21M3, 230 V, single phase</li> <li>2000 rpm for LXM15LD21M3, 230 V, three phase</li> <li>2000 rpm for LXM15LD10N4, 230 V, three phase</li> <li>2500 rpm for LXM15LD10N4, 230 V, three phase</li> <li>2500 rpm for LXM15LD17N4, 400 V, three phase</li> <li>5000 rpm for LXM15LD17N4, 480 V, three phase</li> <li>5000 rpm for LXM15LD17N4, 480 V, three phase</li> <li>LXM05AD28M2 at 200240 V single phase</li> <li>LXM05CD258M2 at 200240 V single phase</li> <li>LXM05CD258M2 at 200240 V single phase</li> <li>LXM05CD258M2 at 200240 V single phase</li> <li>LXM05CD17M3X at 200240 V three phase</li> <li>LXM05BD17M3X at 200240 V three phase</li> <li>LXM05CD17M3X at 200240 V three phase</li> </ul>
Product Compatibility	<ul> <li>1500 rpm for LXM05CD17M3X, 200240 V, three phase</li> <li>4500 rpm for LXM15LD10N4, 400 V, three phase</li> <li>6000 rpm for LXM15LD10N4, 480 V, three phase</li> <li>4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase</li> <li>4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase</li> <li>1500 rpm for LXM05AD28M2, 200240 V, single phase</li> <li>1500 rpm for LXM05CD28M2, 200240 V, single phase</li> <li>1500 rpm for LXM05CD28M2, 200240 V, single phase</li> <li>2000 rpm for LXM15LD21M3, 230 V, single phase</li> <li>2000 rpm for LXM15LD21M3, 230 V, three phase</li> <li>2000 rpm for LXM15LD10N4, 230 V, three phase</li> <li>2500 rpm for LXM15LD10N4, 230 V, three phase</li> <li>2500 rpm for LXM15LD17N4, 400 V, three phase</li> <li>5000 rpm for LXM15LD17N4, 480 V, three phase</li> <li>5000 rpm for LXM15LD17N4, 480 V, three phase</li> <li>LXM05AD28M2 at 200240 V single phase</li> <li>LXM05CD28M2 at 200240 V single phase</li> <li>LXM05AD28M2 at 200240 V three phase</li> <li>LXM05AD17M3X at 200240 V three phase</li> <li>LXM05AD17M3X at 200240 V three phase</li> <li>LXM05CD17M3X at 200240 V three phase</li> <li>LXM15LD10N4 at 480 V three phase</li> <li>LXM15LD10N4 at 480 V three phase</li> </ul>
Product Compatibility	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase 1500 rpm for LXM05AD28M2, 200240 V, single phase 1500 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 400 V, three phase 2000 rpm for LXM15LD17N4, 480 V, three phase 2000 rpm for LXM15LD17N4, 400 V, three phase 2000 rpm for LXM15LD17N4, 480 V, three phase 2000 rpm for LXM15LD17N4, 480 V, three phase 2000 rpm for LXM15LD17N3 at 200240 V three phase 2000 rpm for LXM15LD17N3 at 200240 V three phase 2000 rpm for LXM15LD17N3 at 200240 V three phase 2000 rpm for LXM15LD17N3 at 200 V three phase 2000 rpm for LXM15LD17N3 at 200 V three phase 2000 rpm for LXM15LD10N4 at 480 V three phase 2000 rpm for LXM15LD21M3 at 200 V thr
Product Compatibility	<ul> <li>1500 rpm for LXM05CD17M3X, 200240 V, three phase</li> <li>4500 rpm for LXM15LD10N4, 400 V, three phase</li> <li>6000 rpm for LXM15LD10N4, 480 V, three phase</li> <li>4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase</li> <li>4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase</li> <li>1500 rpm for LXM05AD28M2, 200240 V, single phase</li> <li>1500 rpm for LXM05BD28M2, 200240 V, single phase</li> <li>1500 rpm for LXM05CD28M2, 200240 V, single phase</li> <li>2000 rpm for LXM15LD21M3, 230 V, single phase</li> <li>2000 rpm for LXM15LD21M3, 230 V, three phase</li> <li>2000 rpm for LXM15LD10N4, 230 V, three phase</li> <li>2500 rpm for LXM15LD10N4, 230 V, three phase</li> <li>2500 rpm for LXM15LD17N4, 400 V, three phase</li> <li>2500 rpm for LXM15LD17N4, 480 V, three phase</li> <li>5000 rpm for LXM15LD17N4, 480 V, three phase</li> <li>LXM05AD28M2 at 200240 V single phase</li> <li>LXM05AD17M3X at 230 V three phase</li> <li>LXM05AD17M3X at 200 V three phase</li> <li>LXM05AD17M3X at 200240 V three phase</li> <li>LXM05AD17M3X at 200240 V three phase</li> <li>LXM05AD17M3X at 200 V three phase</li> <li>LXM05AD22N4 at 380480 V three phase</li> </ul>
Product Compatibility	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase 4000 rpm for LXM05LD28N2, 200240 V, single phase 1500 rpm for LXM05DD28M2, 200240 V, single phase 1500 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase 4000 rpm for LXM15LD17N4, 480 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase LXM05AD28M2 at 200240 V single phase LXM05AD17M3X at 200240 V three phase LXM05AD22N4 at 380480 V three phase LXM05AD22N4 at 380480 V three phase
Product Compatibility	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase 4000 rpm for LXM032.D18N4 at 6 A, 480 V, three phase 1500 rpm for LXM05AD28M2, 200240 V, single phase 1500 rpm for LXM05DD28M2, 200240 V, single phase 1500 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2000 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD17N4, 200 V, three phase 2500 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase LXM05AD28M2 at 200240 V single phase LXM05AD28M2 at 200240 V single phase LXM05AD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM05CD17M3X at 200240 V three phase LXM05AD17M3X at 200240 V three phase LXM05CD17M3X at 200240 V three phase
Product Compatibility	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase 4000 rpm for LXM05LD21N4, 480 V, three phase 1500 rpm for LXM05D28M2, 200240 V, single phase 1500 rpm for LXM05D28M2, 200240 V, single phase 2000 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD13M3, 230 V, three phase 2500 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 400 V, three phase 4000 rpm for LXM15LD17N4, 480 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase LXM05AD28M2 at 200240 V single phase LXM05D28M2 at 200240 V single phase LXM05D28M2 at 200240 V single phase LXM05LD13M3 at 230 V three phase LXM05AD17M3X at 200240 V three phase LXM05AD22N4 at 380480 V three phase
Product Compatibility	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase 1500 rpm for LXM05AD28M2, 200240 V, single phase 1500 rpm for LXM05BD28M2, 200240 V, single phase 2000 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase 2000 rpm for LXM15LD17N4 at 480 V, th
Product Compatibility	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase 1500 rpm for LXM05AD28M2, 200240 V, single phase 1500 rpm for LXM05BD28M2, 200240 V, single phase 2000 rpm for LXM05D28M2, 200240 V, single phase 2000 rpm for LXM05D28M2, 200240 V, single phase 2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2000 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 400 V, three phase LXM05CD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM05CD17M3 at 230 V three phase LXM15LD10N4 at 400 V three phase LXM05CD17M3X at 200240 V three phase LXM05CD17M3X at 200240 V three phase LXM15LD10N4 at 230 V three phase LXM15LD10N4 at 230 V three phase LXM05D17M3X at 200240 V three phase LXM05D22N4 at 380480 V three phase LXM05D22N4 at 480. V three phase LXM15LD17N4 at 400 V three phase LXM15LD17N4 at 400 V three phase
Product Compatibility	1500 rpm for LXM05CD17M3X, 200240 V, three phase 4500 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 400 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 480 V, three phase 1500 rpm for LXM05AD28M2, 200240 V, single phase 1500 rpm for LXM05BD28M2, 200240 V, single phase 2000 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM05CD28M2, 200240 V, single phase 2000 rpm for LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase 2000 rpm for LXM15LD10N4 at 200240 V single phase 2000 rpm for LXM15LD17N4, 480 V, three phase 2000 rpm for LXM15LD10N4 at 200240 V three phase 2000 rpm for LXM15LD10N4 at 200240 V three phase 2000 rpm for LXM15LD10N4 at 200 V three phase 2000 rpm for LXM15LD1N4 at 480 V three phase 2000 rpm for LXM15LD17N4 at 480 V three phase

Shaft End	Keyed					
Ip Degree Of Protection	IP50 standard					
Speed Feedback Resolution	131072 points/turn x 4096 turns					
Holding Brake	Without					
Mounting Support	International standard flange					
Electrical Connection	Rotatable right-angled connectors					

## Complementary

Range Compatibility	Lexium 32					
	Lexium 15 Lexium 05					
Supply Voltage Max	480 V					
Network Number Of Phases	Three phase					
Continuous Stall Current	4.8 A					
Maximum Continuous Power	2.51 W					
Maximum Current Irms	17.1 A for LXM15LD13M3					
	17.1 A for LXM15LD21M3					
	17.1 A for LXM15LD10N4 17.1 A for LXM15LD17N4					
	17.1 A for LXM05AD28M2					
	17.1 A for LXM05AD17M3X					
	17.1 A for LXM05AD22N4					
	17.1 A for LXM05BD28M2					
	17.1 A for LXM05BD17M3X					
	17.1 A for LXM05BD22N4					
	17.1 A for LXM05CD28M2					
	17.1 A for LXM05CD17M3X					
	17.1 A for LXM05CD22N4					
	17.1 A for LXM32.D18N4					
Maximum Permanent Current	17.1 A					
Switching Frequency	8 kHz					
Second Shaft	Without second shaft end					
Shaft Diameter	19 mm					
Shaft Length	40 mm					
Key Width	30 mm					
Feedback Type	Multiturn SinCos Hiperface					
Motor Flange Size	100 mm					
Number Of Motor Stacks	2					
Torque Constant	1.21 N.m/A at 120 °C					
Back Emf Constant	77 V/krpm at 120 °C					
Number Of Motor Poles	8					
Rotor Inertia	2.31 kg.cm <sup>2</sup>					
Stator Resistance	2.4 Ohm at 20 °C					
Stator Inductance	12.7 mH at 20 °C					
Stator Electrical Time Constant	5.29 ms at 20 °C					
Maximum Radial Force Fr	620 N at 4000 rpm					
	690 N at 3000 rpm					
	790 N at 2000 rpm					
	990 N at 1000 rpm					
Maximum Axial Force Fa	0.2 x Fr					

Type Of Cooling	Natural convection
Length	204.5 mm
Centring Collar Diameter	95 mm
Centring Collar Depth	3.5 mm
Number Of Mounting Holes	4
Mounting Holes Diameter	9 mm
Circle Diameter Of The Mounting Holes	115 mm
Net Weight	5.9 kg

## **Packing Units**

•	
Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	15.4 cm
Package 1 Width	16.3 cm
Package 1 Length	40.7 cm
Package 1 Weight	5.8 kg

## **Contractual warranty**

Warranty

18 months

## Sustainability

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Eq

Transparency RoHS/REACh

## Well-being performance



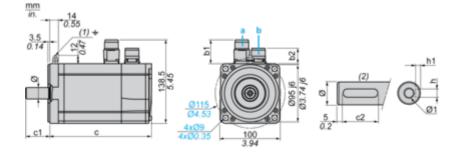
## **Certifications & Standards**

Reach Regulation	REACh Declaration						
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)						
China Rohs Regulation	China RoHS declaration						
Environmental Disclosure	Product Environmental Profile						
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins						
Circularity Profile	No need of specific recycling operations						
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						

#### **Dimensions Drawings**

#### Servo Motors Dimensions

#### **Example with Straight Connectors**



a: Power supply for servo motor brake

b: Power supply for servo motor encoder

(1) M4 screw

(2) Shaft end, keyed slot (optional)

Dimensions in mm

Straight connectors		Rotatable angled connectors		c (without	c (with	c1	c2	h	h1	ø	Ø1 for
b1	b2	b1	b2	brake)	brake)						screws
39.5	25.5	39.5	39.5	205	236	40	30	6 N9	3.5 <sup>+0.1</sup> 0	19 k6	M6 x 16

Dimensions in in.

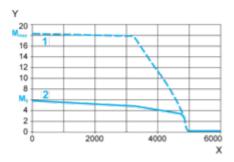
Straight Rotatable angled connectors connectors		c (without c (with	c1	c2	h	h1	ø	Ø1 for			
b1	b2	b1	b2	brake)	brake)						screws
1.55	1.00	1.55	1.55	8.07	9.29	1.57	1.18	0.24 N9	0.14 <sup>+0.1</sup> 0	0.75 k6	M6 x 0.63

### Performance Curves

### 400 V 3-Phase Supply Voltage

#### **Torque/Speed Curves**

Servo motor with LXM32•D18N4 servo drive



 $\boldsymbol{\mathsf{X}}$  Speed in rpm

Y Torque in Nm

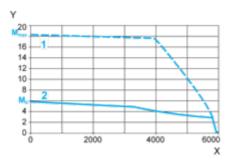
1 Peak torque

2 Continuous torque

#### 480 V 3-Phase Supply Voltage

#### **Torque/Speed Curves**

Servo motor with LXM32•D18N4 servo drive



X Speed in rpm

Y Torque in Nm

1 Peak torque

2 Continuous torque