## **Product datasheet**

Specifications





# AC servo motor BSH, Lexium 05, 3.4N.m, 2500rpm, untapped shaft, with brake, IP65

BSH1002P22F1A

Discontinued on: 01-Nov-2020

① Discontinued

#### Main

Device short name	BSH						
Product or component type	Servo motor 6000 rpm						
Maximum mechanical speed							
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
	4500 rpm for LXM15LD10N4, 400 V, three phase
	4500 rpm for LXM15LD10N4, 400 V, three phase 6000 rpm for LXM15LD10N4, 480 V, three phase
	6000 rpm for LXM15LD10N4, 480 V, three phase
	6000 rpm for LXM15LD10N4, 480 V, three phase 4000 rpm for LXM32.D18N4 at 6 A, 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
	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
	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
	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
	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
	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
	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 LXM15LD13M3, 230 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 LXM15LD13M3, 230 V, three phase
Product compatibility	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 LXM15LD13M3, 230 V, three phase
Product compatibility	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 LXM05D28M2, 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 4000 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase
Product compatibility	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 LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 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
Product compatibility	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 LXM15LD21M3, 230 V, single phase 2000 rpm for LXM15LD21M3, 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
Product compatibility	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 LXM15LD10N4, 230 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
Product compatibility	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 LXM15LD13M3, 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 2000 rpm for LXM15LD17N4, 400 V, three phase
Product compatibility	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 LXM15LD13M3, 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 LXM15LD21M3 at 230 V single phase LXM15LD21M3 at 230 V single phase
Product compatibility	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 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 LXM05AD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM05CD28M3 at 230 V three phase LXM15LD11M3 at 230 V three phase LXM15LD11M3 at 230 V three phase
Product compatibility	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 LXM15LD101A, 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 2500 rpm for LXM15LD17N4, 400 V, three phase 5000 rpm for LXM15LD17N4, 480 V, three phase LXM05AD28M2 at 200240 V single phase LXM05CD28M2 at 200240 V single phase LXM15LD13M3 at 230 V three phase LXM15LD13M3 at 230 V three phase LXM15LD13M3 at 230 V three phase
Product compatibility	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, single 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 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 LXM15LD21M3 at 230 V three phase LXM15LD13M3 at 230 V three phase LXM15LD13M3 at 230 V three phase LXM15LD10N4 at 400 V three phase LXM05AD17M3X at 200240 V three phase LXM05AD17M3X at 200240 V three phase
Product compatibility	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 LXM15LD101M3, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD11M3, 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 LXM15LD13M3 at 230 V three phase LXM15LD13M3 at 230 V three phase LXM15LD13M3 at 230 V three phase LXM15LD13M3 at 200240 V three phase LXM05AD17M3X at 200240 V three phase LXM05AD17M3X at 200240 V three phase LXM05DD17M3X at 200240 V three phase
Product compatibility	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, single phase 2000 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD10N4, 230 V, three phase 2500 rpm for LXM15LD11N4, 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 LXM15LD1M3 at 230 V three phase LXM15LD1M3 at 230 V three phase LXM05AD17M3X at 200240 V three phase LXM05AD17M3X at 200240 V three phase LXM05BD17M3X at 200240 V three phase
Product compatibility	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 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 2000 rpm for LXM15LD17N4, 400 V, three phase 2000 rpm for LXM15LD17N4, 400 V, three phase 2000 rpm for LXM15LD17N4, 480 V three phase 2000 rpm for LXM15LD10N4 at 400 V three phase 2000 rpm for LXM15LD17N3 at 200240 V three phase 2000 rpm for LXM15LD10N4 at 480 V three phase 2000 rpm for LXM15LD10N4 at 480 V three phase 2000 rpm for LXM15LD10N4 at 480 V three phase 2000 rpm for LXM15LD10N4 at 230 V three phase 2000 rpm for LXM15LD10N4 at 230 V three phase 2000 rpm for LXM15LD21M3 at 230 V three phase 2000 rpm
Product compatibility	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 LXM15LD13M3, 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 2000 rpm for LXM15LD17N4, 480 V three phase 2000 rpm for LXM15LD17N4, 480 V three phase 2000 rpm for LXM15LD10N4 at 230 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 200240 V three phase 2000 rpm for LXM15LD17M3 at 200240 V three phase 2000 rpm for LXM15LD10N4 at 200 V three phase 2000 rpm for LXM15LD21M3 at 200 V
Product compatibility	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 LXM15LD17N4, 400 V, three phase 4000 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 LXM05CD28M2 at 200240 V single phase LXM05AD17M3 at 230 V three phase LXM05AD17M3 at 230 V three phase LXM05AD17M3X at 200240 V three phase LXM05AD217M3X at 200240 V three phase LXM05AD217M3X at 200240 V three phase LXM05AD17M3X at 200240 V three phase LXM05AD22N4 at 380480 V three phase LXM05AD22N4 at 380480 V three phase
Product compatibility	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 LXM15LD11N4, 400 V, three phase 4000 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 LXM05AD17M3 at 230 V three phase LXM05AD17M3X at 200240 V three phase LXM05AD21M3 at 230 V three phase LXM05AD21M3 at 230 V three phase LXM05AD21M3 at 230 V three phase LXM05AD22M4 at 80 V three phase LXM05AD22M4 at 80 V three phase LXM05AD22M4 at 880480 V three phase LXM05AD22M4 at 880480 V three phase LXM05BD22N4 at 880480 V three phase
Product compatibility	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 LXM05DD28M2, 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 5000 rpm for LXM15LD17N4, 480 V, three 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 LXM05LD17M3 at 230 V three phase LXM05LD17M3 at 230 V three phase LXM05D17M3X at 200240 V three phase LXM05CD17M3X at 200240 V three phase LXM05D2N4 at 380480 V three phase LXM05D22N4 at 380480 V three phase LXM05CD22N4 at 380480 V three phase LXM05CD22N4 at 380480 V three phase LXM05CD22N4 at 380480 V three phase
Product compatibility	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 LXM05ED28M2, 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 5000 rpm for LXM15LD17N4, 480 V, three phase 2000 rpm for LXM15LD17N4, 480
Product compatibility	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 LXM05DD28M2, 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 5000 rpm for LXM15LD17N4, 480 V, three 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 LXM05LD17M3 at 230 V three phase LXM05LD17M3 at 230 V three phase LXM05D17M3X at 200240 V three phase LXM05CD17M3X at 200240 V three phase LXM05D2N4 at 380480 V three phase LXM05D22N4 at 380480 V three phase LXM05CD22N4 at 380480 V three phase LXM05CD22N4 at 380480 V three phase LXM05CD22N4 at 380480 V three phase

Shaft end	Untapped
IP degree of protection	IP65 standard IP67 with IP67 kit
Speed feedback resolution	131072 points/turn x 4096 turns
Holding brake	With
mounting support	International standard flange
Electrical connection	Straight connectors

### Complementary

oompromontar y	
Range compatibility	Lexium 05
0 1 5	Lexium 15
	Lexium 32
oupply voltage may	(00.)/
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
Feedback type	Multiturn SinCos Hiperface
Holding torque	9 N.m holding brake
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	2.928 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
	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
Brake pull-in power	18 W
Type of cooling	Natural convection
Length	235.5 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	6.3 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	6.45 kg

## **Contractual warranty**

Warranty

18 months

## Sustainability Screen Premium

**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 >



Transparency RoHS/REACh

#### Well-being performance



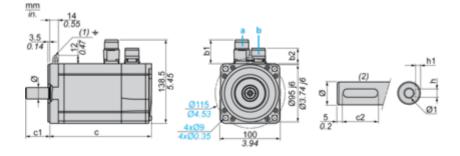
#### **Certifications & Standards**

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				

#### **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.

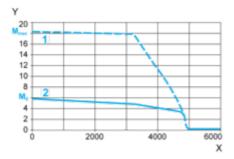
Straight Rotatable angled connectors connectors		c (without c (with		c1	c2	h	h1	ø	Ø1 for		
b1	b2	b1	b2	brake)	brake)						screws
1.55	1.00	1.55	1.55	8.07	9.29	1.57	1.18	0.24 N9	0.14 <sup>+0.1</sup> 0	0.75 k6	M6 x 0.63

#### Performance Curves

#### 400 V 3-Phase Supply Voltage

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

Servo motor with LXM32•D18N4 servo drive



 $\boldsymbol{X}$  Speed in rpm

Y Torque in Nm

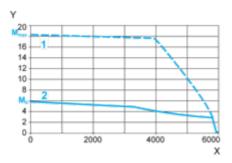
1 Peak torque

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