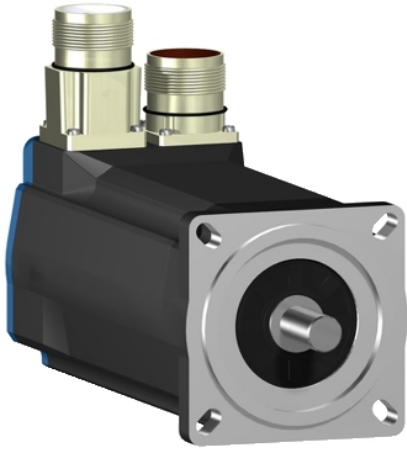


# BSH0703P01A1A

AC servo motor BSH, Lexium 05, 1.1N.m,  
3000rpm, untapped shaft, without brake, IP50





## Main

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Device short name         | BSH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Product or Component Type | Servo motor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Maximum mechanical speed  | 8000 rpm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Continuous stall torque   | <p>25.05 Lbf.In (2.83 N.m) LXM15LD21M3, 230 V, single phase</p> <p>9.7 Lbf.In (1.1 N.m) LXM15LU60N4, 480 V, three phase</p> <p>9.7 Lbf.In (1.1 N.m) LXM15LU60N4, 400 V, three phase</p> <p>13.3 Lbf.In (1.5 N.m) LXM15LU60N4, 230 V, three phase</p> <p>19.74 Lbf.In (2.23 N.m) LXM15LD13M3, 230 V, three phase</p> <p>21.2 Lbf.In (2.4 N.m) LXM15LD10N4, 230 V, three phase</p> <p>21.2 Lbf.In (2.4 N.m) LXM15LD10N4, 400 V, three phase</p> <p>21.2 Lbf.In (2.4 N.m) LXM15LD10N4, 480 V, three phase</p> <p>25.05 Lbf.In (2.83 N.m) LXM15LD17N4, 230 V, three phase</p> <p>25.05 Lbf.In (2.83 N.m) LXM15LD17N4, 400 V, three phase</p> <p>25.05 Lbf.In (2.83 N.m) LXM15LD17N4, 480 V, three phase</p> <p>25.05 Lbf.In (2.83 N.m) LXM15LD21M3, 230 V, three phase</p> <p>24.8 Lbf.In (2.8 N.m) LXM05AD17M2, 200...240 V, single phase</p> <p>24.8 Lbf.In (2.8 N.m) LXM05AD17M3X, 200...240 V, three phase</p> <p>24.8 Lbf.In (2.8 N.m) LXM05AD22N4, 380...480 V, three phase</p> <p>24.8 Lbf.In (2.8 N.m) LXM05AD28M2, 200...240 V, single phase</p> <p>24.8 Lbf.In (2.8 N.m) LXM05BD17M2, 200...240 V, single phase</p> <p>24.8 Lbf.In (2.8 N.m) LXM05BD17M3X, 200...240 V, three phase</p> <p>24.8 Lbf.In (2.8 N.m) LXM05BD22N4, 380...480 V, three phase</p> <p>24.8 Lbf.In (2.8 N.m) LXM05BD28M2, 200...240 V, single phase</p> <p>24.8 Lbf.In (2.8 N.m) LXM05CD17M2, 200...240 V, single phase</p> <p>24.8 Lbf.In (2.8 N.m) LXM05CD17M3X, 200...240 V, three phase</p> <p>24.8 Lbf.In (2.8 N.m) LXM05CD22N4, 380...480 V, three phase</p> <p>24.8 Lbf.In (2.8 N.m) LXM05CD28M2, 200...240 V, single phase</p> <p>27.4 Lbf.In (3.1 N.m) LXM32.D18N4 6 A, 400 V, three phase</p> <p>27.4 lbf.in (3.1 N.m) LXM32.D18N4 6 A, 480 V, three phase</p> |

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Peak stall torque    | 53.02 Lbf.In (5.99 N.m) LXM15LD21M3, 230 V, single phase<br>63.37 Lbf.In (7.16 N.m) LXM05AD17M2, 200...240 V, single phase<br>91.2 Lbf.In (10.3 N.m) LXM05AD28M2, 200...240 V, single phase<br>63.37 Lbf.In (7.16 N.m) LXM05BD17M2, 200...240 V, single phase<br>91.2 Lbf.In (10.3 N.m) LXM05BD28M2, 200...240 V, single phase<br>63.37 Lbf.In (7.16 N.m) LXM05CD17M2, 200...240 V, single phase<br>91.2 Lbf.In (10.3 N.m) LXM05CD28M2, 200...240 V, single phase<br>29.2 Lbf.In (3.3 N.m) LXM15LU60N4, 480 V, three phase<br>29.2 Lbf.In (3.3 N.m) LXM15LU60N4, 400 V, three phase<br>29.2 Lbf.In (3.3 N.m) LXM15LU60N4, 230 V, three phase<br>53.1 Lbf.In (6 N.m) LXM15LD13M3, 230 V, three phase<br>46.9 Lbf.In (5.3 N.m) LXM15LD10N4, 230 V, three phase<br>46.9 Lbf.In (5.3 N.m) LXM15LD10N4, 400 V, three phase<br>46.9 Lbf.In (5.3 N.m) LXM15LD10N4, 480 V, three phase<br>68.24 Lbf.In (7.71 N.m) LXM15LD17N4, 230 V, three phase<br>68.24 Lbf.In (7.71 N.m) LXM15LD17N4, 400 V, three phase<br>68.24 Lbf.In (7.71 N.m) LXM15LD17N4, 480 V, three phase<br>82.13 Lbf.In (9.28 N.m) LXM15LD21M3, 230 V, three phase<br>63.37 Lbf.In (7.16 N.m) LXM05AD17M3X, 200...240 V, three phase<br>77.44 Lbf.In (8.75 N.m) LXM05AD22N4, 380...480 V, three phase<br>63.37 Lbf.In (7.16 N.m) LXM05BD17M3X, 200...240 V, three phase<br>77.44 Lbf.In (8.75 N.m) LXM05BD22N4, 380...480 V, three phase<br>63.37 Lbf.In (7.16 N.m) LXM05CD17M3X, 200...240 V, three phase<br>77.44 Lbf.In (8.75 N.m) LXM05CD22N4, 380...480 V, three phase<br>100.01 Lbf.In (11.3 N.m) LXM32.D18N4 6 A, 400 V, three phase<br>100.01 Lbf.in (11.3 N.m) LXM32.D18N4 6 A, 480 V, three phase |
| Nominal output power | 750 W LXM05AD17M2, 200...240 V, single phase<br>750 W LXM05AD28M2, 200...240 V, single phase<br>750 W LXM05BD17M2, 200...240 V, single phase<br>750 W LXM05BD28M2, 200...240 V, single phase<br>750 W LXM05CD17M2, 200...240 V, single phase<br>750 W LXM05CD28M2, 200...240 V, single phase<br>750 W LXM15LD21M3, 230 V, single phase<br>1250 W LXM15LD10N4, 400 V, three phase<br>1300 W LXM15LD17N4, 400 V, three phase<br>1400 W LXM15LD17N4, 480 V, three phase<br>1500 W LXM15LD10N4, 480 V, three phase<br>350 W LXM15LU60N4, 230 V, three phase<br>700 W LXM15LD13M3, 230 V, three phase<br>700 W LXM15LU60N4, 400 V, three phase<br>750 W LXM05AD17M3X, 200...240 V, three phase<br>750 W LXM05AD22N4, 380...480 V, three phase<br>750 W LXM05BD17M3X, 200...240 V, three phase<br>750 W LXM05BD22N4, 380...480 V, three phase<br>750 W LXM05CD17M3X, 200...240 V, three phase<br>750 W LXM05CD22N4, 380...480 V, three phase<br>750 W LXM15LD10N4, 230 V, three phase<br>750 W LXM15LD17N4, 230 V, three phase<br>750 W LXM15LD21M3, 230 V, three phase<br>950 W LXM15LU60N4, 480 V, three phase<br>1300 W LXM32.D18N4 6 A, 400 V, three phase<br>1300 W LXM32.D18N4 6 A, 480 V, three phase                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

|                |                                                              |
|----------------|--------------------------------------------------------------|
| Nominal torque | 21.2 Lbf.In (2.4 N.m) LXM05AD17M2, 200...240 V, single phase |
|                | 21.2 Lbf.In (2.4 N.m) LXM05AD28M2, 200...240 V, single phase |
|                | 21.2 Lbf.In (2.4 N.m) LXM05BD17M2, 200...240 V, single phase |
|                | 21.2 Lbf.In (2.4 N.m) LXM05BD28M2, 200...240 V, single phase |
|                | 21.2 Lbf.In (2.4 N.m) LXM05CD17M2, 200...240 V, single phase |
|                | 21.2 Lbf.In (2.4 N.m) LXM05CD28M2, 200...240 V, single phase |
|                | 21.2 Lbf.In (2.4 N.m) LXM15LD21M3, 230 V, single phase       |
|                | 9.91 Lbf.In (1.12 N.m) LXM15LU60N4, 230 V, three phase       |
|                | 9.91 Lbf.In (1.12 N.m) LXM15LU60N4, 400 V, three phase       |
|                | 9.91 Lbf.In (1.12 N.m) LXM15LU60N4, 480 V, three phase       |
|                | 15.9 Lbf.In (1.8 N.m) LXM15LD10N4, 480 V, three phase        |
|                | 17.35 Lbf.In (1.96 N.m) LXM15LD17N4, 480 V, three phase      |
|                | 17.7 Lbf.In (2 N.m) LXM15LD10N4, 400 V, three phase          |
|                | 17.7 Lbf.In (2 N.m) LXM15LD17N4, 400 V, three phase          |
|                | 19.74 Lbf.In (2.23 N.m) LXM15LD13M3, 230 V, three phase      |
|                | 21.2 Lbf.In (2.4 N.m) LXM05AD17M3X, 200...240 V, three phase |
|                | 21.2 Lbf.In (2.4 N.m) LXM05AD22N4, 380...480 V, three phase  |
|                | 21.2 Lbf.In (2.4 N.m) LXM05BD17M3X, 200...240 V, three phase |
|                | 21.2 Lbf.In (2.4 N.m) LXM05BD22N4, 380...480 V, three phase  |
|                | 21.2 Lbf.In (2.4 N.m) LXM05CD17M3X, 200...240 V, three phase |
|                | 21.2 Lbf.In (2.4 N.m) LXM05CD22N4, 380...480 V, three phase  |
|                | 21.2 Lbf.In (2.4 N.m) LXM15LD10N4, 230 V, three phase        |
|                | 21.2 Lbf.In (2.4 N.m) LXM15LD17N4, 230 V, three phase        |
|                | 21.2 Lbf.In (2.4 N.m) LXM15LD21M3, 230 V, three phase        |
|                | 21.60 Lbf.In (2.44 N.m) LXM32.D18N4 6 A, 400 V, three phase  |
|                | 21.60 lbf.in (2.44 N.m) LXM32.D18N4 6 A, 480 V, three phase  |

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nominal speed             | 3000 rpm LXM15LD13M3, 230 V, three phase<br>3000 rpm LXM05AD17M2, 200...240 V, single phase<br>3000 rpm LXM05BD17M2, 200...240 V, single phase<br>3000 rpm LXM05CD17M2, 200...240 V, single phase<br>3000 rpm LXM05AD17M3X, 200...240 V, three phase<br>3000 rpm LXM05BD17M3X, 200...240 V, three phase<br>3000 rpm LXM05CD17M3X, 200...240 V, three phase<br>3000 rpm LXM15LU60N4, 230 V, three phase<br>8000 rpm LXM15LD10N4, 480 V, three phase<br>8000 rpm LXM15LU60N4, 480 V, three phase<br>3000 rpm LXM15LD10N4, 230 V, three phase<br>6000 rpm LXM15LD10N4, 400 V, three phase<br>3000 rpm LXM05AD28M2, 200...240 V, single phase<br>3000 rpm LXM05BD28M2, 200...240 V, single phase<br>3000 rpm LXM05CD28M2, 200...240 V, single phase<br>3000 rpm LXM15LD21M3, 230 V, single phase<br>3000 rpm LXM05AD22N4, 380...480 V, three phase<br>3000 rpm LXM05BD22N4, 380...480 V, three phase<br>3000 rpm LXM05CD22N4, 380...480 V, three phase<br>3000 rpm LXM15LD17N4, 230 V, three phase<br>3000 rpm LXM15LD21M3, 230 V, three phase<br>6000 rpm LXM15LD17N4, 400 V, three phase<br>6000 rpm LXM15LU60N4, 400 V, three phase<br>7000 rpm LXM15LD17N4, 480 V, three phase<br>5000 rpm LXM32.D18N4 6 A, 400 V, three phase<br>5000 rpm LXM32.D18N4 6 A, 480 V, three phase |
| Product compatibility     | LXM05AD17M2 200...240 V single phase<br>LXM05AD28M2 200...240 V single phase<br>LXM05BD17M2 200...240 V single phase<br>LXM05BD28M2 200...240 V single phase<br>LXM05CD17M2 200...240 V single phase<br>LXM05CD28M2 200...240 V single phase<br>LXM15LD21M3 230 V single phase<br>LXM15LU60N4 230 V three phase<br>LXM15LD13M3 230 V three phase<br>LXM15LU60N4 400 V three phase<br>LXM15LU60N4 480 V three phase<br>LXM15LD10N4 400 V three phase<br>LXM05AD17M3X 200...240 V three phase<br>LXM05BD17M3X 200...240 V three phase<br>LXM05CD17M3X 200...240 V three phase<br>LXM15LD10N4 230 V three phase<br>LXM15LD10N4 480 V three phase<br>LXM15LD21M3 230 V three phase<br>LXM15LD17N4 230 V three phase<br>LXM05AD22N4 380...480 V three phase<br>LXM05BD22N4 380...480 V three phase<br>LXM05CD22N4 380...480 V three phase<br>LXM15LD17N4 400 V three phase<br>LXM15LD17N4 480 V three phase<br>LXM32.D18N4 400 V three phase<br>LXM32.D18N4 480 V three phase                                                                                                                                                                                                                                                                                                       |
| Shaft end                 | Untapped                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| IP Degree of Protection   | IP50 standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Speed feedback resolution | 131072 points/turn                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Holding brake             | Without                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Mounting Support          | International standard flange                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Electrical Connection     | Straight connectors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Complementary

|                                       |                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range Compatibility                   | Lexium 05<br>Lexium 32<br>Lexium 15                                                                                                                                                                                                                                                                                                                                               |
| Supply voltage max                    | 480 V                                                                                                                                                                                                                                                                                                                                                                             |
| Phase                                 | Three phase                                                                                                                                                                                                                                                                                                                                                                       |
| Continuous stall current              | 4.1 A                                                                                                                                                                                                                                                                                                                                                                             |
| Maximum continuous power              | 1.7 W                                                                                                                                                                                                                                                                                                                                                                             |
| Maximum current Irms                  | 15.2 A LXM15LD13M3<br>15.2 A LXM15LD21M3<br>15.2 A LXM15LD17N4<br>15.2 A LXM15LU60N4<br>15.2 A LXM15LD10N4<br>17 A LXM05AD17M2<br>17 A LXM05AD28M2<br>17 A LXM05AD17M3X<br>17 A LXM05AD22N4<br>17 A LXM05BD17M2<br>17 A LXM05BD28M2<br>17 A LXM05BD17M3X<br>17 A LXM05BD22N4<br>17 A LXM05CD17M2<br>17 A LXM05CD28M2<br>17 A LXM05CD17M3X<br>17 A LXM05CD22N4<br>17 A LXM32.D18N4 |
| Maximum permanent current             | 17 A                                                                                                                                                                                                                                                                                                                                                                              |
| Switching frequency                   | 8 kHz                                                                                                                                                                                                                                                                                                                                                                             |
| Second shaft                          | Without second shaft end                                                                                                                                                                                                                                                                                                                                                          |
| Shaft diameter                        | 0.6 in (14 mm)                                                                                                                                                                                                                                                                                                                                                                    |
| Shaft length                          | 1.2 in (30 mm)                                                                                                                                                                                                                                                                                                                                                                    |
| Feedback type                         | Single turn SinCos Hiperface                                                                                                                                                                                                                                                                                                                                                      |
| Motor flange size                     | 2.8 in (70 mm)                                                                                                                                                                                                                                                                                                                                                                    |
| Number of motor stacks                | 3                                                                                                                                                                                                                                                                                                                                                                                 |
| Torque constant                       | 0.78 N.m/A 248.0000000000 °F (120 °C)                                                                                                                                                                                                                                                                                                                                             |
| Back emf constant                     | 49 V/krpm 248.0000000000 °F (120 °C)                                                                                                                                                                                                                                                                                                                                              |
| Number of motor poles                 | 6                                                                                                                                                                                                                                                                                                                                                                                 |
| Rotor inertia                         | 0.58 kg.cm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                           |
| Stator resistance                     | 2.7 Ohm 68.0000000000 °F (20 °C)                                                                                                                                                                                                                                                                                                                                                  |
| Stator inductance                     | 13 mH 68.0000000000 °F (20 °C)                                                                                                                                                                                                                                                                                                                                                    |
| Stator electrical time constant       | 4.82 ms 68.0000000000 °F (20 °C)                                                                                                                                                                                                                                                                                                                                                  |
| Maximum radial force Fr               | 400 N 6000 rpm<br>430 N 5000 rpm<br>460 N 4000 rpm<br>510 N 3000 rpm<br>580 N 2000 rpm<br>730 N 1000 rpm                                                                                                                                                                                                                                                                          |
| Maximum axial force Fa                | 0.2 x Fr                                                                                                                                                                                                                                                                                                                                                                          |
| Type of cooling                       | Natural convection                                                                                                                                                                                                                                                                                                                                                                |
| Length                                | 8.7 in (220 mm)                                                                                                                                                                                                                                                                                                                                                                   |
| Centring collar diameter              | 2.4 in (60 mm)                                                                                                                                                                                                                                                                                                                                                                    |
| Centring collar depth                 | 0.10 in (2.5 mm)                                                                                                                                                                                                                                                                                                                                                                  |
| Number of mounting holes              | 4                                                                                                                                                                                                                                                                                                                                                                                 |
| Mounting holes diameter               | 0.2 in (5.5 mm)                                                                                                                                                                                                                                                                                                                                                                   |
| Circle diameter of the mounting holes | 3.2 in (82 mm)                                                                                                                                                                                                                                                                                                                                                                    |
| Net Weight                            | 7.98 lb(US) (3.62 kg)                                                                                                                                                                                                                                                                                                                                                             |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US1PC5318282  |
| Discount Schedule | PC53          |
| GTIN              | 3389118137127 |
| Returnability     | No            |
| Country of origin | DE            |

## Packing Units

|                              |                            |
|------------------------------|----------------------------|
| Unit Type of Package 1       | PCE                        |
| Number of Units in Package 1 | 1                          |
| Package 1 Height             | 6.8 in (17.3 cm)           |
| Package 1 Width              | 6.4 in (16.3 cm)           |
| Package 1 Length             | 18.0 in (45.7 cm)          |
| Package 1 Weight             | 8.655 lb(US) (3.926 kg)    |
| Unit Type of Package 2       | S06                        |
| Number of Units in Package 2 | 12                         |
| Package 2 Height             | 28.9 in (73.5 cm)          |
| Package 2 Width              | 23.6 in (60 cm)            |
| Package 2 Length             | 31.5 in (80 cm)            |
| Package 2 Weight             | 132.524 lb(US) (60.112 kg) |
| Unit Type of Package 3       | P06                        |
| Number of Units in Package 3 | 12                         |
| Package 3 Height             | 30.3 in (77 cm)            |
| Package 3 Width              | 31.5 in (80 cm)            |
| Package 3 Length             | 23.6 in (60 cm)            |
| Package 3 Weight             | 123.450 lb(US) (55.996 kg) |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                       |
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)                                                                                                                                                                                                                                  |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                         |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>                                                                                                                                                                  |
| RoHS exemption information |  Yes                                                                                                                                                                                                     |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a>                                                                                                                                                           |
| Circularity Profile        | No need of specific recycling operations                                                                                                                                                                                                                                                    |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.                                                                                                                                                                |
| PVC free                   | Yes                                                                                                                                                                                                                                                                                         |

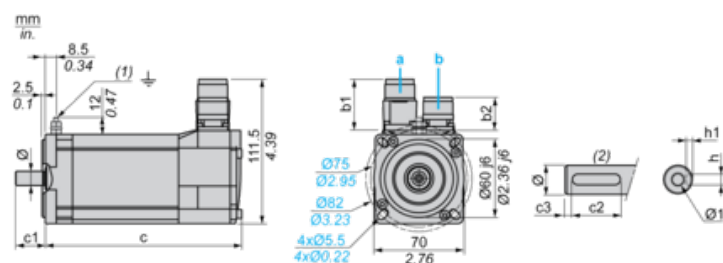
## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|



## 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 brake) | c (with brake) | c1 | c2 | c3 | h    | h1           | Ø     | Ø1 for screws |
|---------------------|------|-----------------------------|------|-------------------|----------------|----|----|----|------|--------------|-------|---------------|
| b1                  | b2   | b1                          | b2   |                   |                |    |    |    |      |              |       |               |
| 39.5                | 25.5 | 39.5                        | 39.5 | 220               | 254            | 30 | 20 | 5  | 5 N9 | $3^{+0.1}_0$ | 14 k6 | M5 x 12.5     |

Dimensions in in.

| Straight connectors |      | Rotatable angled connectors |      | c (without brake) | c (with brake) | c1   | c2   | c3   | h       | h1                | Ø       | Ø1 for screws |
|---------------------|------|-----------------------------|------|-------------------|----------------|------|------|------|---------|-------------------|---------|---------------|
| b1                  | b2   | b1                          | b2   |                   |                |      |      |      |         |                   |         |               |
| 1.55                | 1.00 | 1.55                        | 1.55 | 8.66              | 10.00          | 1.18 | 0.78 | 0.19 | 0.20 N9 | $0.12^{+0.004}_0$ | 0.55 k6 | M5 x 0.49     |

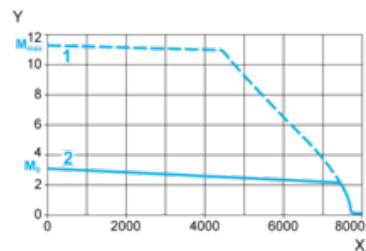
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### 400 V 3-Phase Supply Voltage

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#### Torque/Speed Curves

Servo motor with LXM32•D18N4 servo drive



X Speed in rpm

Y Torque in Nm

1 Peak torque

2 Continuous torque

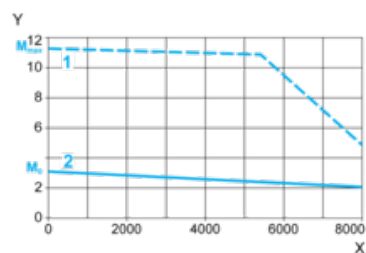
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### 480 V 3-Phase Supply Voltage

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#### Torque/Speed Curves

Servo motor with LXM32•D18N4 servo drive



X Speed in rpm

Y Torque in Nm

1 Peak torque

2 Continuous torque