

# Product data sheet

Specifications



Schneider Electric  
BSH0703P01A1A Picture

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

BSH0703P01A1A

Product availability: Non-Stock - Not normally  
stocked in distribution facility

Price\*: 1,770.00 USD

## Main

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Or Component Type | Servo motor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Device Short Name         | BSH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Maximum Mechanical Speed  | 8000 rpm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Continuous Stall Torque   | 25.05 lbf.in (2.83 N.m) LXM15LD21M3, 230 V, single phase<br>9.74 lbf.in (1.1 N.m) LXM15LU60N4, 480 V, three phase<br>9.74 lbf.in (1.1 N.m) LXM15LU60N4, 400 V, three phase<br>13.28 lbf.in (1.5 N.m) LXM15LU60N4, 230 V, three phase<br>19.74 lbf.in (2.23 N.m) LXM15LD13M3, 230 V, three phase<br>21.24 lbf.in (2.4 N.m) LXM15LD10N4, 230 V, three phase<br>21.24 lbf.in (2.4 N.m) LXM15LD10N4, 400 V, three phase<br>21.24 lbf.in (2.4 N.m) LXM15LD10N4, 480 V, three phase<br>25.05 lbf.in (2.83 N.m) LXM15LD17N4, 230 V, three phase<br>25.05 lbf.in (2.83 N.m) LXM15LD17N4, 400 V, three phase<br>25.05 lbf.in (2.83 N.m) LXM15LD17N4, 480 V, three phase<br>25.05 lbf.in (2.83 N.m) LXM15LD21M3, 230 V, three phase<br>24.78 lbf.in (2.8 N.m) LXM05AD17M2, 200...240 V, single phase<br>24.78 lbf.in (2.8 N.m) LXM05AD17M3X, 200...240 V, three phase<br>24.78 lbf.in (2.8 N.m) LXM05AD22N4, 380...480 V, three phase<br>24.78 lbf.in (2.8 N.m) LXM05AD28M2, 200...240 V, single phase<br>24.78 lbf.in (2.8 N.m) LXM05BD17M2, 200...240 V, single phase<br>24.78 lbf.in (2.8 N.m) LXM05BD17M3X, 200...240 V, three phase<br>24.78 lbf.in (2.8 N.m) LXM05BD22N4, 380...480 V, three phase<br>24.78 lbf.in (2.8 N.m) LXM05BD28M2, 200...240 V, single phase<br>24.78 lbf.in (2.8 N.m) LXM05CD17M2, 200...240 V, single phase<br>24.78 lbf.in (2.8 N.m) LXM05CD17M3X, 200...240 V, three phase<br>24.78 lbf.in (2.8 N.m) LXM05CD22N4, 380...480 V, three phase<br>24.78 lbf.in (2.8 N.m) LXM05CD28M2, 200...240 V, single phase<br>27.44 lbf.in (3.1 N.m) LXM32.D18N4 6 A, 400 V, three phase<br>27.44 lbf.in (3.1 N.m) LXM32.D18N4 6 A, 480 V, three phase |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                             |                                                                |
|-----------------------------|----------------------------------------------------------------|
| <b>Peak Stall Torque</b>    | 53.02 lbf.in (5.99 N.m) LXM15LD21M3, 230 V, single phase       |
|                             | 63.37 lbf.in (7.16 N.m) LXM05AD17M2, 200...240 V, single phase |
|                             | 91.16 lbf.in (10.3 N.m) LXM05AD28M2, 200...240 V, single phase |
|                             | 63.37 lbf.in (7.16 N.m) LXM05BD17M2, 200...240 V, single phase |
|                             | 91.16 lbf.in (10.3 N.m) LXM05BD28M2, 200...240 V, single phase |
|                             | 63.37 lbf.in (7.16 N.m) LXM05CD17M2, 200...240 V, single phase |
|                             | 91.16 lbf.in (10.3 N.m) LXM05CD28M2, 200...240 V, single phase |
|                             | 29.21 lbf.in (3.3 N.m) LXM15LU60N4, 480 V, three phase         |
|                             | 29.21 lbf.in (3.3 N.m) LXM15LU60N4, 400 V, three phase         |
|                             | 29.21 lbf.in (3.3 N.m) LXM15LU60N4, 230 V, three phase         |
|                             | 53.10 lbf.in (6 N.m) LXM15LD13M3, 230 V, three phase           |
|                             | 46.91 lbf.in (5.3 N.m) LXM15LD10N4, 230 V, three phase         |
|                             | 46.91 lbf.in (5.3 N.m) LXM15LD10N4, 400 V, three phase         |
|                             | 46.91 lbf.in (5.3 N.m) LXM15LD10N4, 480 V, three phase         |
|                             | 68.24 lbf.in (7.71 N.m) LXM15LD17N4, 230 V, three phase        |
|                             | 68.24 lbf.in (7.71 N.m) LXM15LD17N4, 400 V, three phase        |
|                             | 68.24 lbf.in (7.71 N.m) LXM15LD17N4, 480 V, three phase        |
|                             | 82.13 lbf.in (9.28 N.m) LXM15LD21M3, 230 V, three phase        |
|                             | 63.37 lbf.in (7.16 N.m) LXM05AD17M3X, 200...240 V, three phase |
|                             | 77.44 lbf.in (8.75 N.m) LXM05AD22N4, 380...480 V, three phase  |
|                             | 63.37 lbf.in (7.16 N.m) LXM05BD17M3X, 200...240 V, three phase |
|                             | 77.44 lbf.in (8.75 N.m) LXM05BD22N4, 380...480 V, three phase  |
|                             | 63.37 lbf.in (7.16 N.m) LXM05CD17M3X, 200...240 V, three phase |
|                             | 77.44 lbf.in (8.75 N.m) LXM05CD22N4, 380...480 V, three phase  |
|                             | 100.01 lbf.in (11.3 N.m) LXM32.D18N4 6 A, 400 V, three phase   |
|                             | 100.01 lbf.in (11.3 N.m) LXM32.D18N4 6 A, 480 V, three phase   |
| <b>Nominal Output Power</b> | 750 W LXM05AD17M2, 200...240 V, single phase                   |
|                             | 750 W LXM05AD28M2, 200...240 V, single phase                   |
|                             | 750 W LXM05BD17M2, 200...240 V, single phase                   |
|                             | 750 W LXM05BD28M2, 200...240 V, single phase                   |
|                             | 750 W LXM05CD17M2, 200...240 V, single phase                   |
|                             | 750 W LXM05CD28M2, 200...240 V, single phase                   |
|                             | 750 W LXM15LD21M3, 230 V, single phase                         |
|                             | 1250 W LXM15LD10N4, 400 V, three phase                         |
|                             | 1300 W LXM15LD17N4, 400 V, three phase                         |
|                             | 1400 W LXM15LD17N4, 480 V, three phase                         |
|                             | 1500 W LXM15LD10N4, 480 V, three phase                         |
|                             | 350 W LXM15LU60N4, 230 V, three phase                          |
|                             | 700 W LXM15LD13M3, 230 V, three phase                          |
|                             | 700 W LXM15LU60N4, 400 V, three phase                          |
|                             | 750 W LXM05AD17M3X, 200...240 V, three phase                   |
|                             | 750 W LXM05AD22N4, 380...480 V, three phase                    |
|                             | 750 W LXM05BD17M3X, 200...240 V, three phase                   |
|                             | 750 W LXM05BD22N4, 380...480 V, three phase                    |
|                             | 750 W LXM05CD17M3X, 200...240 V, three phase                   |
|                             | 750 W LXM05CD22N4, 380...480 V, three phase                    |
|                             | 750 W LXM15LD10N4, 230 V, three phase                          |
|                             | 750 W LXM15LD17N4, 230 V, three phase                          |
|                             | 750 W LXM15LD21M3, 230 V, three phase                          |
|                             | 950 W LXM15LU60N4, 480 V, three phase                          |
|                             | 1300 W LXM32.D18N4 6 A, 400 V, three phase                     |
|                             | 1300 W LXM32.D18N4 6 A, 480 V, three phase                     |

|                |                                                               |
|----------------|---------------------------------------------------------------|
| Nominal Torque | 21.24 lbf.in (2.4 N.m) LXM05AD17M2, 200...240 V, single phase |
|                | 21.24 lbf.in (2.4 N.m) LXM05AD28M2, 200...240 V, single phase |
|                | 21.24 lbf.in (2.4 N.m) LXM05BD17M2, 200...240 V, single phase |
|                | 21.24 lbf.in (2.4 N.m) LXM05BD28M2, 200...240 V, single phase |
|                | 21.24 lbf.in (2.4 N.m) LXM05CD17M2, 200...240 V, single phase |
|                | 21.24 lbf.in (2.4 N.m) LXM05CD28M2, 200...240 V, single phase |
|                | 21.24 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        |
|                | 15.93 lbf.in (1.8 N.m) LXM15LD10N4, 480 V, three phase        |
|                | 17.35 lbf.in (1.96 N.m) LXM15LD17N4, 480 V, three phase       |
|                | 17.70 lbf.in (2 N.m) LXM15LD10N4, 400 V, three phase          |
|                | 17.70 lbf.in (2 N.m) LXM15LD17N4, 400 V, three phase          |
|                | 19.74 lbf.in (2.23 N.m) LXM15LD13M3, 230 V, three phase       |
|                | 21.24 lbf.in (2.4 N.m) LXM05AD17M3X, 200...240 V, three phase |
|                | 21.24 lbf.in (2.4 N.m) LXM05AD22N4, 380...480 V, three phase  |
|                | 21.24 lbf.in (2.4 N.m) LXM05BD17M3X, 200...240 V, three phase |
|                | 21.24 lbf.in (2.4 N.m) LXM05BD22N4, 380...480 V, three phase  |
|                | 21.24 lbf.in (2.4 N.m) LXM05CD17M3X, 200...240 V, three phase |
|                | 21.24 lbf.in (2.4 N.m) LXM05CD22N4, 380...480 V, three phase  |
|                | 21.24 lbf.in (2.4 N.m) LXM15LD10N4, 230 V, three phase        |
|                | 21.24 lbf.in (2.4 N.m) LXM15LD17N4, 230 V, three phase        |
|                | 21.24 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                      |
|                | 3000 rpm LXM05AD17M2, 200...240 V, single phase               |
|                | 3000 rpm LXM05BD17M2, 200...240 V, single phase               |
|                | 3000 rpm LXM05CD17M2, 200...240 V, single phase               |
|                | 3000 rpm LXM05AD17M3X, 200...240 V, three phase               |
|                | 3000 rpm LXM05BD17M3X, 200...240 V, three phase               |
|                | 3000 rpm LXM05CD17M3X, 200...240 V, three phase               |
|                | 3000 rpm LXM15LU60N4, 230 V, three phase                      |
|                | 8000 rpm LXM15LD10N4, 480 V, three phase                      |
|                | 8000 rpm LXM15LU60N4, 480 V, three phase                      |
|                | 3000 rpm LXM15LD10N4, 230 V, three phase                      |
|                | 6000 rpm LXM15LD10N4, 400 V, three phase                      |
|                | 3000 rpm LXM05AD28M2, 200...240 V, single phase               |
|                | 3000 rpm LXM05BD28M2, 200...240 V, single phase               |
|                | 3000 rpm LXM05CD28M2, 200...240 V, single phase               |
|                | 3000 rpm LXM15LD21M3, 230 V, single phase                     |
|                | 3000 rpm LXM05AD22N4, 380...480 V, three phase                |
|                | 3000 rpm LXM05BD22N4, 380...480 V, three phase                |
|                | 3000 rpm LXM05CD22N4, 380...480 V, three phase                |
|                | 3000 rpm LXM15LD17N4, 230 V, three phase                      |
|                | 3000 rpm LXM15LD21M3, 230 V, three phase                      |
|                | 6000 rpm LXM15LD17N4, 400 V, three phase                      |
|                | 6000 rpm LXM15LU60N4, 400 V, three phase                      |
|                | 7000 rpm LXM15LD17N4, 480 V, three phase                      |
|                | 5000 rpm LXM32.D18N4 6 A, 400 V, three phase                  |
|                | 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                        | 0.55 in (14 mm)                                                                                          |
| Shaft Length                          | 1.18 in (30 mm)                                                                                          |
| Feedback Type                         | Single turn SinCos Hiperface                                                                             |
| Motor Flange Size                     | 2.76 in (70 mm)                                                                                          |
| Number Of Motor Stacks                | 3                                                                                                        |
| Torque Constant                       | 0.78 N.m/A 248 °F (120 °C)                                                                               |
| Back Emf Constant                     | 49 V/krpm 248 °F (120 °C)                                                                                |
| Number Of Motor Poles                 | 6                                                                                                        |
| Rotor Inertia                         | 0.58 kg.cm²                                                                                              |
| Stator Resistance                     | 2.7 Ohm 68 °F (20 °C)                                                                                    |
| Stator Inductance                     | 13 mH 68 °F (20 °C)                                                                                      |
| Stator Electrical Time Constant       | 4.82 ms 68 °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                                | 8.66 in (220 mm)                                                                                         |
| Centring Collar Diameter              | 2.36 in (60 mm)                                                                                          |
| Centring Collar Depth                 | 0.10 in (2.5 mm)                                                                                         |
| Number Of Mounting Holes              | 4                                                                                                        |
| Mounting Holes Diameter               | 0.22 in (5.5 mm)                                                                                         |
| Circle Diameter Of The Mounting Holes | 3.23 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             | 6.81 in (17.3 cm)      |
| Package 1 Width              | 6.42 in (16.3 cm)      |
| Package 1 Length             | 17.99 in (45.7 cm)     |
| Package 1 Weight             | 8.66 lb(US) (3.926 kg) |
| Unit Type Of Package 2       | S06                    |

|                              |                           |
|------------------------------|---------------------------|
| Number Of Units In Package 2 | 12                        |
| Package 2 Height             | 28.94 in (73.5 cm)        |
| Package 2 Width              | 23.62 in (60 cm)          |
| Package 2 Length             | 31.50 in (80 cm)          |
| Package 2 Weight             | 132.52 lb(US) (60.112 kg) |
| Unit Type Of Package 3       | P06                       |
| Number Of Units In Package 3 | 12                        |
| Package 3 Height             | 30.31 in (77 cm)          |
| Package 3 Width              | 31.50 in (80 cm)          |
| Package 3 Length             | 23.62 in (60 cm)          |
| Package 3 Weight             | 123.45 lb(US) (55.996 kg) |

## Contractual warranty

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

Sustainability



**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class 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

|   |                            |     |
|---|----------------------------|-----|
| ✓ | Mercury Free               |     |
| ✓ | Rohs Exemption Information | Yes |
| ✓ | Pvc Free                   |     |

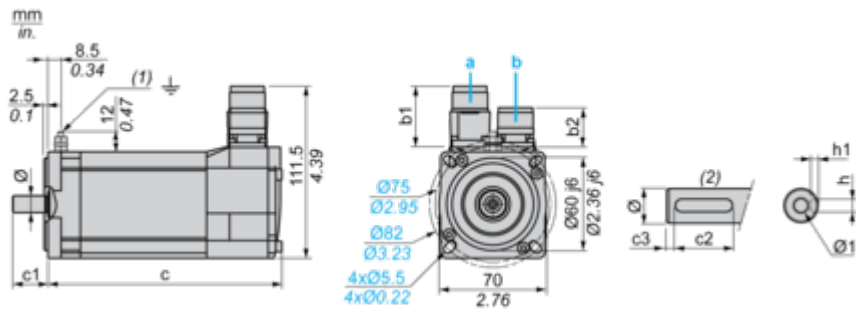
Certifications & Standards

|                           |                                                                                                                                                                                                                                                                                             |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reach Regulation          | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                           |
| Eu Rohs Directive         | Pro-active compliance (Product out of EU RoHS legal scope)                                                                                                                                                                                                                                  |
| China Rohs Regulation     | <a href="#">China RoHS declaration</a>                                                                                                                                                                                                                                                      |
| Environmental Disclosure  | <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                               |
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

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 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 <sup>+0.1</sup> <sub>0</sub> | 14 k6 | M5 x 12.5     |

Dimensions in in.

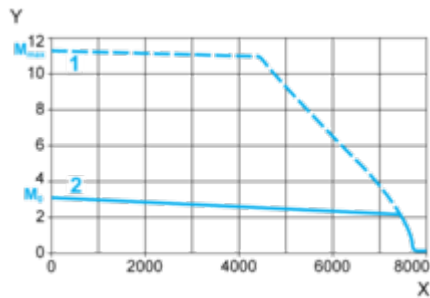
| Straight connectors |      | Rotatable angled connectors |      | c (without brake) | c (with brake) | c1   | c2   | c3   | h       | h1                                  | Ø       | Ø1 for screws |
|---------------------|------|-----------------------------|------|-------------------|----------------|------|------|------|---------|-------------------------------------|---------|---------------|
| 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 <sup>+0.004</sup> <sub>0</sub> | 0.55 k6 | M5 x 0.49     |

Performance Curves

400 V 3-Phase Supply Voltage

Torque/Speed Curves

Servo motor with LXM32•D18N4 servo drive

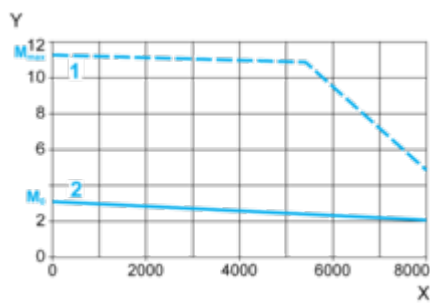


- X Speed in rpm
- Y Torque in Nm
- 1 Peak torque
- 2 Continuous torque

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