

BSH1002P12A2A

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





Galvenā

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| Produkta vai sastāvdaļas veids | Servo motor |
| Ierīces īsais nosaukums | BSH |
| Maximum mechanical speed | 6000 apgr./min |
| Continuous stall torque | 4,5 N.M LXM15LD21M3, 230 V, vienfāze 3,4 N.M LXM15LD13M3, 230 V, trīs fāzes 3,4 N.M LXM15LD10N4, 230 V, trīs fāzes 3,4 N.M LXM15LD10N4, 400 V, trīs fāzes 3,4 N.M LXM15LD10N4, 480 V, trīs fāzes 5,8 N.M LXM15LD17N4, 400 V, trīs fāzes 5,8 N.M LXM15LD17N4, 480 V, trīs fāzes 5,8 N.M LXM15LD21M3, 230 V, trīs fāzes 5,5 N.M LXM05AD17M3X, 200...240 V, trīs fāzes 5,5 N.M LXM05AD22N4, 380...480 V, trīs fāzes 5,5 N.M LXM05AD28M2, 200...240 V, vienfāze 5,5 N.M LXM05BD17M3X, 200...240 V, trīs fāzes 5,5 N.M LXM05BD22N4, 380...480 V, trīs fāzes 5,5 N.M LXM05BD28M2, 200...240 V, vienfāze 5,5 N.M LXM05CD17M3X, 200...240 V, trīs fāzes 5,5 N.M LXM05CD22N4, 380...480 V, trīs fāzes 5,5 N.M LXM05CD28M2, 200...240 V, vienfāze 5,8 N.M LXM32.D18N4 6 A, 400 V, trīs fāzes 5,8 N.m LXM32.D18N4 6 A, 480 V, trīs fāzes |
| Peak stall torque | 9,39 N.M LXM15LD21M3, 230 V, vienfāze 5,6 N.M LXM15LD13M3, 230 V, trīs fāzes 8 N.M LXM15LD10N4, 230 V, trīs fāzes 8 N.M LXM15LD10N4, 400 V, trīs fāzes 8 N.M LXM15LD10N4, 480 V, trīs fāzes 12,13 N.M LXM15LD17N4, 400 V, trīs fāzes 12,13 N.M LXM15LD17N4, 480 V, trīs fāzes 14,79 N.M LXM15LD21M3, 230 V, trīs fāzes 11,23 N.M LXM05AD17M3X, 200...240 V, trīs fāzes 13,92 N.M LXM05AD22N4, 380...480 V, trīs fāzes 16 N.M LXM05AD28M2, 200...240 V, vienfāze 11,23 N.M LXM05BD17M3X, 200...240 V, trīs fāzes 13,92 N.M LXM05BD22N4, 380...480 V, trīs fāzes 16 N.M LXM05BD28M2, 200...240 V, vienfāze 11,23 N.M LXM05CD17M3X, 200...240 V, trīs fāzes 13,92 N.M LXM05CD22N4, 380...480 V, trīs fāzes 16 N.M LXM05CD28M2, 200...240 V, vienfāze 18,3 N.M LXM32.D18N4 6 A, 400 V, trīs fāzes 18,3 N.m LXM32.D18N4 6 A, 480 V, trīs fāzes |
| Nominal output power | 950 W LXM15LD21M3, 230 V, vienfāze 950 W LXM15LD21M3, 230 V, trīs fāzes 780 W LXM05AD28M2, 200...240 V, vienfāze 780 W LXM05BD28M2, 200...240 V, vienfāze 780 W LXM05CD28M2, 200...240 V, vienfāze 1400 W LXM05AD22N4, 380...480 V, trīs fāzes 1400 W LXM05BD22N4, 380...480 V, trīs fāzes 1400 W LXM05CD22N4, 380...480 V, trīs fāzes 1600 W LXM15LD10N4, 400 V, trīs fāzes 1700 W LXM15LD17N4, 400 V, trīs fāzes 1950 W LXM15LD17N4, 480 V, trīs fāzes 2150 W LXM15LD10N4, 480 V, trīs fāzes 780 W LXM05AD17M3X, 200...240 V, trīs fāzes 780 W LXM05BD17M3X, 200...240 V, trīs fāzes 780 W LXM05CD17M3X, 200...240 V, trīs fāzes 840 W LXM15LD13M3, 230 V, trīs fāzes 890 W LXM15LD10N4, 230 V, trīs fāzes 1700 W LXM32.D18N4 6 A, 400 V, trīs fāzes 1700 W LXM32.D18N4 6 A, 480 V, trīs fāzes |

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| Nominal torque | <p>4,5 N.M LXM15LD21M3, 230 V, vienfāze 4,96 N.M LXM05AD28M2, 200...240 V, vienfāze 4,96 N.M LXM05BD28M2, 200...240 V, vienfāze 4,96 N.M LXM05CD28M2, 200...240 V, vienfāze 3,4 N.M LXM15LD10N4, 230 V, trīs fāzes 3,4 N.M LXM15LD10N4, 400 V, trīs fāzes 3,4 N.M LXM15LD10N4, 480 V, trīs fāzes 3,4 N.M LXM15LD13M3, 230 V, trīs fāzes 3,7 N.M LXM15LD17N4, 480 V, trīs fāzes 4 N.M LXM15LD17N4, 400 V, trīs fāzes 4,4 N.M LXM05AD22N4, 380...480 V, trīs fāzes 4,4 N.M LXM05BD22N4, 380...480 V, trīs fāzes 4,4 N.M LXM05CD22N4, 380...480 V, trīs fāzes 4,96 N.M LXM05AD17M3X, 200...240 V, trīs fāzes 4,96 N.M LXM05BD17M3X, 200...240 V, trīs fāzes 4,96 N.M LXM05CD17M3X, 200...240 V, trīs fāzes 5,8 N.M LXM15LD21M3, 230 V, trīs fāzes 4 N.M LXM32.D18N4 6 A, 400 V, trīs fāzes 4 N.m LXM32.D18N4 6 A, 480 V, trīs fāzes</p> |
| Nominal speed | <p>3000 rpm LXM05AD22N4, 380...480 V, trīs fāzes 3000 rpm LXM05BD22N4, 380...480 V, trīs fāzes 3000 rpm LXM05CD22N4, 380...480 V, trīs fāzes 1500 rpm LXM05AD17M3X, 200...240 V, trīs fāzes 1500 rpm LXM05BD17M3X, 200...240 V, trīs fāzes 1500 rpm LXM05CD17M3X, 200...240 V, trīs fāzes 4500 rpm LXM15LD10N4, 400 V, trīs fāzes 6000 rpm LXM15LD10N4, 480 V, trīs fāzes 4000 rpm LXM32.D18N4 6 A, 400 V, trīs fāzes 4000 rpm LXM32.D18N4 6 A, 480 V, trīs fāzes 1500 rpm LXM05AD28M2, 200...240 V, vienfāze 1500 rpm LXM05BD28M2, 200...240 V, vienfāze 1500 rpm LXM05CD28M2, 200...240 V, vienfāze 2000 rpm LXM15LD21M3, 230 V, vienfāze 2000 rpm LXM15LD21M3, 230 V, trīs fāzes 2500 rpm LXM15LD10N4, 230 V, trīs fāzes 2500 rpm LXM15LD13M3, 230 V, trīs fāzes 4000 rpm LXM15LD17N4, 400 V, trīs fāzes 5000 rpm LXM15LD17N4, 480 V, trīs fāzes</p> |
| Product compatibility | <p>LXM05AD28M2 200...240 V vienfāze LXM05BD28M2 200...240 V vienfāze LXM05CD28M2 200...240 V vienfāze LXM15LD21M3 230 V vienfāze LXM15LD13M3 230 V trīs fāzes LXM15LD10N4 400 V trīs fāzes LXM05AD17M3X 200...240 V trīs fāzes LXM05BD17M3X 200...240 V trīs fāzes LXM05CD17M3X 200...240 V trīs fāzes LXM15LD10N4 230 V trīs fāzes LXM15LD10N4 480 V trīs fāzes LXM15LD21M3 230 V trīs fāzes LXM05AD22N4 380...480 V trīs fāzes LXM05BD22N4 380...480 V trīs fāzes LXM05CD22N4 380...480 V trīs fāzes LXM15LD17N4 400 V trīs fāzes LXM15LD17N4 480 V trīs fāzes LXM32.D18N4 400 V trīs fāzes LXM32.D18N4 480 V trīs fāzes</p> |
| Shaft end | Keyed |
| IP aizsardzības pakāpe | IP50 standard |
| Speed feedback resolution | 131072 points/turn x 4096 turns |
| Holding brake | Without |
| Montāžas stiprinājums | International standard flange |
| Elektriskais savienojums | Rotatable right-angled connectors |

Papildinošs

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|---------------------------------------|---|
| Saderība ar | Lexium 32 Lexium 15 Lexium 05 |
| Supply voltage max | 480 V |
| Tīkla fāžu skaits | Trīs fāzes |
| Continuous stall current | 4,8 A |
| Maximum continuous power | 2,51 W |
| Maximum current Irms | 17,1 A LXM15LD13M3 17,1 A LXM15LD21M3 17,1 A LXM15LD10N4 17,1 A LXM15LD17N4 17,1 A LXM05AD28M2 17,1 A LXM05AD17M3X 17,1 A LXM05AD22N4 17,1 A LXM05BD28M2 17,1 A LXM05BD17M3X 17,1 A LXM05BD22N4 17,1 A LXM05CD28M2 17,1 A LXM05CD17M3X 17,1 A LXM05CD22N4 17,1 A LXM32.D18N4 |
| Maksimālā pastāvīgā strāva | 17,1 A |
| Switching frequency | 8 kHz |
| Second shaft | Without second shaft end |
| Shaft diameter | 19 mm |
| Shaft length | 40 mm |
| Key width | 30 mm |
| Feedback type | Multiturn SinCos Hiperface |
| Motor flange size | 100 mm |
| Number of motor stacks | 2 |
| Torque constant | 1,21 N.m/A 120 °C |
| Back emf constant | 77 V/krpm 120 °C |
| Number of motor poles | 8 |
| Rotor inertia | 2,31 kg.cm ² |
| Stator resistance | 2,4 Ohm 20 °C |
| Stator inductance | 12,7 mH 20 °C |
| Stator electrical time constant | 5,29 ms 20 °C |
| Maximum radial force Fr | 620 N 4000 apgr./min 690 N 3000 apgr./min 790 N 2000 apgr./min 990 N 1000 apgr./min |
| Maximum axial force Fa | 0.2 x Fr |
| Type of cooling | Natural convection |
| Garums | 204,5 mm |
| Centring collar diameter | 95 mm |
| Centring collar depth | 3,5 mm |
| Montāžas caurumu skaits | 4 |
| Mounting holes diameter | 9 mm |
| Circle diameter of the mounting holes | 115 mm |
| Neto svars | 5,9 kg |

Iepakojšanas vienības

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|--------------------------------|---------|
| Pirmā iepakojuma vienības tips | PCE |
| Vienību skaits 1. iepakojumā | 1 |
| 1. iepakojuma augstums | 15,4 cm |
| 1. iepakojuma platums | 16,3 cm |
| 1. iepakojuma garums | 40,7 cm |
| 1. iepakojuma svars | 5,8 kg |

Piedāvājiēt ilgtspēju

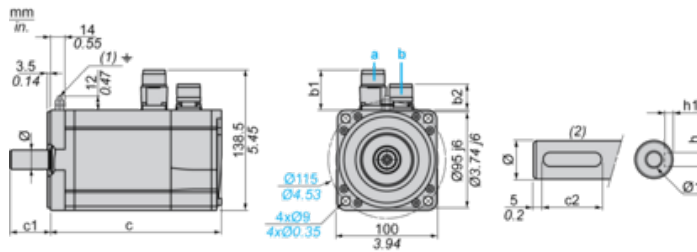
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|---------------------------------|--|
| Ilgtspējīgs piedāvājuma statuss | Green Premium izstrādājums |
| REACH regula | REACH Deklarācija |
| ES RoHS direktīva | Proaktīva atbilstība (uz izstrādājumu neattiecas ES RoHS juridiskās saistības) |
| Nesatur dzīvsudrabu | Jā |
| Ķīnas RoHS regula | Ķīnas RoHS Deklarācija |
| Informācija par RoHS izņēmumiem | Jā |
| Vides informācijas publicēšana | Produkta letekme Uz Vidi |
| Cirkularitātes profils | Nav jāveic īpašas darbības, lai nodotu otrreizējai pārstrādei |
| WEEE | Eiropas Savienības tirgū no šī produkta ir jāatbrīvojas, ievērojot noteiktu atkritumu savākšanas kārtību, un produkts nedrīkst nonākt sadzīves atkritumu tvertnēs. |
| Nesatur PVH | Jā |

Līguma garantija

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| Garantija | 18 months |
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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 | h | h1 | Ø | Ø1 for screws |
|---------------------|------|-----------------------------|------|-------------------|----------------|----|----|------|----------------------------------|-------|---------------|
| b1 | b2 | b1 | b2 | | | | | | | | |
| 39.5 | 25.5 | 39.5 | 39.5 | 205 | 236 | 40 | 30 | 6 N9 | 3.5 ^{+0.1} ₀ | 19 k6 | M6 x 16 |

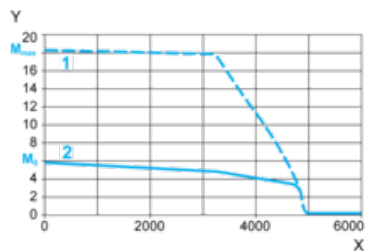
Dimensions in in.

| Straight connectors | | Rotatable angled connectors | | c (without brake) | c (with brake) | c1 | c2 | h | h1 | Ø | Ø1 for screws |
|---------------------|------|-----------------------------|------|-------------------|----------------|------|------|---------|-----------------------------------|---------|---------------|
| b1 | b2 | b1 | b2 | | | | | | | | |
| 1.55 | 1.00 | 1.55 | 1.55 | 8.07 | 9.29 | 1.57 | 1.18 | 0.24 N9 | 0.14 ^{+0.1} ₀ | 0.75 k6 | M6 x 0.63 |

400 V 3-Phase Supply Voltage

Torque/Speed Curves

Servo motor with LXM32-D18N4 servo drive



X Speed in rpm

Y Torque in Nm

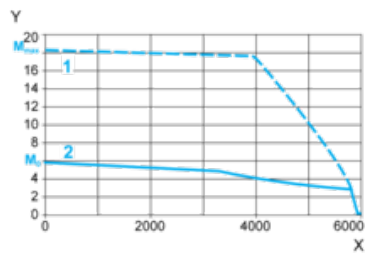
1 Peak torque

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