



Main

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| Product or component type | Servo motor |
| Device short name | BSH |
| Maximum mechanical speed | 6000 Rpm |
| Continuous stall torque | 5.5 N.M for LXM05AD14N4, 380...480 V, three phase 5.5 N.M for LXM05BD14N4, 380...480 V, three phase 5.5 N.M for LXM05CD14N4, 380...480 V, three phase |
| Peak stall torque | 13.3 N.M for LXM05AD14N4, 380...480 V, three phase 13.3 N.M for LXM05BD14N4, 380...480 V, three phase 13.3 N.M for LXM05CD14N4, 380...480 V, three phase |
| Nominal output power | 780 W for LXM05AD14N4, 380...480 V, three phase 780 W for LXM05BD14N4, 380...480 V, three phase 780 W for LXM05CD14N4, 380...480 V, three phase |
| Nominal torque | 4.96 N.M for LXM05AD14N4, 380...480 V, three phase 4.96 N.M for LXM05BD14N4, 380...480 V, three phase 4.96 N.M for LXM05CD14N4, 380...480 V, three phase |
| Nominal speed | 1500 rpm for LXM05AD14N4, 380...480 V, three phase 1500 rpm for LXM05BD14N4, 380...480 V, three phase 1500 rpm for LXM05CD14N4, 380...480 V, three phase |
| Product compatibility | LXM05AD14N4 at 380...480 V three phase LXM05BD14N4 at 380...480 V three phase LXM05CD14N4 at 380...480 V three phase |
| Shaft end | Keyed |
| IP degree of protection | IP50 standard |
| Speed feedback resolution | 131072 points/turn x 4096 turns |
| Holding brake | With |
| Mounting support | International standard flange |
| Electrical connection | Straight connectors |

Complementary

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| Range compatibility | Lexium 05 |
| [Us] rated supply voltage | 480 V |
| Network number of phases | Three phase |
| Continuous stall current | 2.5 A |
| Continuous power | 2.51 W |
| Maximum current Irms | 9 A for LXM05AD14N4 9 A for LXM05BD14N4 9 A for LXM05CD14N4 |
| Maximum permanent current | 9 A |
| Switching frequency | 4 kHz |
| Second shaft | Without second shaft end |
| Shaft diameter | 19 Mm |

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| Shaft length | 40 Mm |
| Key width | 30 Mm |
| Feedback type | Multiturn SinCos Hiperface |
| Holding torque | 9 N.M holding brake |
| Motor flange size | 100 Mm |
| Torque constant | 2.32 N.M/A at 120 °C |
| Back emf constant | 146 V/Krpm at 120 °C |
| Number of motor poles | 8 |
| Rotor inertia | 2.928 Kg.Cm ² |
| Stator resistance | 8.6 Ohm at 20 °C |
| Stator inductance | 45.7 MH at 20 °C |
| Stator electrical time constant | 5.31 Ms at 20 °C |
| Maximum radial force Fr | 620 N at 4000 rpm 690 N at 3000 rpm 790 N at 2000 rpm 990 N at 1000 rpm |
| Maximum axial force Fa | 0.2 x Fr |
| Brake pull-in power | 18 W |
| Type of cooling | Natural convection |
| Length | 235.5 Mm |
| Centring collar diameter | 95 Mm |
| Centring collar depth | 3.5 Mm |
| Number of mounting holes | 4 |
| Mounting holes diameter | 9 Mm |
| Circle diameter of the mounting holes | 115 Mm |
| Net weight | 6.3 Kg |

Contractual warranty

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| Warranty | 18 months |
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| Product Life Status : | Commercialised |
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