



## Main

Product or component type	Servo motor
Device short name	BSH
Maximum mechanical speed	6000 rpm
Continuous stall torque	5.5 N.m for LXM05AD14N4 at 380...480 V three phase 5.5 N.m for LXM05BD14N4 at 380...480 V three phase 5.5 N.m for LXM05CD14N4 at 380...480 V three phase
Peak stall torque	13.3 N.m for LXM05AD14N4 at 380...480 V three phase 13.3 N.m for LXM05BD14N4 at 380...480 V three phase 13.3 N.m for LXM05CD14N4 at 380...480 V three phase
Nominal output power	780 W for LXM05AD14N4 at 380...480 V three phase 780 W for LXM05BD14N4 at 380...480 V three phase 780 W for LXM05CD14N4 at 380...480 V three phase
Nominal torque	4.96 N.m for LXM05AD14N4 at 380...480 V three phase 4.96 N.m for LXM05BD14N4 at 380...480 V three phase 4.96 N.m for LXM05CD14N4 at 380...480 V three phase
Nominal speed	1500 rpm for LXM05AD14N4 at 380...480 V three phase 1500 rpm for LXM05BD14N4 at 380...480 V three phase 1500 rpm for LXM05CD14N4 at 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	Untapped
IP degree of protection	IP50 (standard)
Speed feedback resolution	131072 points/turn x 4096 turns
Holding brake	Without
Mounting support	International standard flange
Electrical connection	Straight connectors

## Complementary

Range compatibility	Lexium 05
Supply voltage max	480 V

Network number of phases	Three phase
Continuous stall current	2.5 A
Maximum 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
Shaft length	40 mm
Feedback type	Multiturn SinCos Hiperface
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	2.31 kg.cm <sup>2</sup>
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
Type of cooling	Natural convection
Length	204.5 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
Product weight	5.9 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0850 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

## Contractual warranty

Warranty period	18 months
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