## BSH1001M32A2A

AC servo motor BSH - 3.4 Nm - 6000 rpm - key shaft - without brake - IP65

Main	
Product or component type	AC servo motors
Component name	BSH
Continuous stall torque	3.4 N.m for LXM05AD14N4 at 380480 V 3 phases 3.4 N.m for LXM05BD14N4 at 380480 V 3 phases 3.4 N.m for LXM05CD14N4 at 380480 V 3 phases
Peak stall torque	7.1 N.m for LXM05AD14N4 at 380480 V 3 phases 7.1 N.m for LXM05BD14N4 at 380480 V 3 phases 7.1 N.m for LXM05CD14N4 at 380480 V 3 phases
Nominal output power	500 W for LXM05AD14N4 at 380480 V 3 phases 500 W for LXM05BD14N4 at 380480 V 3 phases 500 W for LXM05CD14N4 at 380480 V 3 phases
Nominal speed	1500 rpm for LXM05AD14N4 at 380480 V 3 phases 1500 rpm for LXM05BD14N4 at 380480 V 3 phases 1500 rpm for LXM05CD14N4 at 380480 V 3 phases
Maximum mechanical speed	6000 rpm
Product compatibility	LXM05AD14N4 at 380480 V 3 phases LXM05BD14N4 at 380480 V 3 phases LXM05CD14N4 at 380480 V 3 phases
Shaft end	Keyed
IP degree of protection	IP65
Encoder type	Absolute multiturn SinCos Hiperface
Encoder feedback resolution	131072 points/turn x 4096 turns
Holding brake	Without
Mounting support	International standard flange
Electrical connection	Rotatable right-angled connectors
Number of poles	8

## Complementary

Lexium 05  3.16 N.m for LXM05AD14N4 at 380480 V 3 phases 3.16 N.m for LXM05BD14N4 at 380480 V 3 phases 3.16 N.m for LXM05CD14N4 at 380480 V 3 phases 6.3 A for LXM05AD14N4 6.3 A for LXM05BD14N4 6.3 A for LXM05CD14N4 4 kHz for LEX05  1.83 N.m/A rms at 120 °C
3.16 N.m for LXM05BD14N4 at 380480 V 3 phases 3.16 N.m for LXM05CD14N4 at 380480 V 3 phases 6.3 A for LXM05AD14N4 6.3 A for LXM05BD14N4 6.3 A for LXM05CD14N4 4 kHz for LEX05
3.16 N.m for LXM05CD14N4 at 380480 V 3 phases 6.3 A for LXM05AD14N4 6.3 A for LXM05BD14N4 6.3 A for LXM05CD14N4 4 kHz for LEX05
6.3 A for LXM05AD14N4 6.3 A for LXM05BD14N4 6.3 A for LXM05CD14N4 4 kHz for LEX05
6.3 A for LXM05BD14N4 6.3 A for LXM05CD14N4 4 kHz for LEX05
6.3 A for LXM05CD14N4 4 kHz for LEX05
4 kHz for LEX05
1.92 N m/A rms at 120 °C
1.03 IN.III/A IIIIS at 120 C
115 V rms/krpm at 120 °C
1.4 kg.cm² without brake
13.9 Ohm at 20 °C
64.3 mH at 20 °C
4.63 ms at 20 °C
530 N at 5000 rpm
570 N at 4000 rpm
630 N at 3000 rpm
720 N at 2000 rpm
900 N at 1000 rpm
0.2 x Fr
4.2 kg

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## Environment

RoHS EUR conformity date	0850
RoHS EUR status	Compliant

