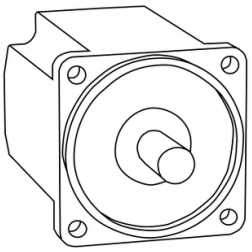
Product datasheet

Specifications

Motors



Discontinued

AC servo motor BDH - 2.79 N.m - 8000 rpm - key shaft - without brake - IP67

BDH0703E35A2A

Discontinued on: 8 Jul 2022

EAN Code: 3389118173279

Main

Product or component type	AC servo motors
Component name	BDH
Continuous stall torque	2.79 N.m for LXM15LD10N4 3 phases 2.79 N.m for LXM15LD13M3 3 phases 2.79 N.m for LXM15LD13M3 single phase
Peak stall torque	8.55 N.m for LXM15LD10N4 at 230 V 3 phases 8.55 N.m for LXM15LD10N4 at 400 V 3 phases 8.55 N.m for LXM15LD10N4 at 480 V 3 phases 8.55 N.m for LXM15LD13M3 at 230 V 3 phases 8.55 N.m for LXM15LD13M3 at 230 V single phase
Nominal output power	1000 W for LXM15LD10N4 at 400 V 3 phases 1500 W for LXM15LD10N4 at 480 V 3 phases 550 W for LXM15LD10N4 at 230 V 3 phases 550 W for LXM15LD13M3 at 230 V 3 phases 550 W for LXM15LD13M3 at 230 V single phase
Nominal torque	2.3 N.m for LXM15LD10N4 at 480 V 3 phases 2.4 N.m for LXM15LD10N4 at 400 V 3 phases 2.55 N.m for LXM15LD10N4 at 230 V 3 phases 2.55 N.m for LXM15LD13M3 at 230 V 3 phases 2.55 N.m for LXM15LD13M3 at 230 V single phase
Nominal speed	2000 rpm for LXM15LD10N4 at 230 V 3 phases 2000 rpm for LXM15LD13M3 at 230 V 3 phases 2000 rpm for LXM15LD13M3 at 230 V single phase 4000 rpm for LXM15LD10N4 at 400 V 3 phases 5000 rpm for LXM15LD10N4 at 480 V 3 phases
Maximum mechanical speed	8000 rpm
Product compatibility	LXM15LD10N4 at 230 V 3 phases LXM15LD10N4 at 400 V 3 phases LXM15LD10N4 at 480 V 3 phases LXM15LD13M3 at 230 V 3 phases LXM15LD13M3 at 230 V single phase
Shaft end	Keyed
IP degree of protection	IP67
Encoder type	2-pole resolver
Speed feedback resolution	65536 points/turn
Holding brake	Without
Mounting support	International IEC standard flange
Electrical connection	Rotatable right-angled connectors
Number of poles	8

Complementary

Range compatibility	Lexium 15
Maximum current Irms	7.28 A
Torque constant	1.1 N.m/A at 120 °C
Back emf constant	70.6 V/krpm at 120 °C
Stator resistance	8.36 Ohm at 20 °C
Stator inductance	18.5 mH at 20 °C
Stator electrical time constant	2.21 ms at 20 °C
Maximum radial force Fr	150 N at 6000 rpm 165 N at 5000 rpm 180 N at 4000 rpm 200 N at 3000 rpm 240 N at 2000 rpm 300 N at 1000 rpm
Maximum axial force Fa	0.3 x Fr
Net weight	2.9 kg

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Longer

Lifetime extension

Repair	No