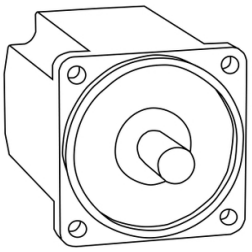
Product datasheet

Specifications

Motors



Discontinued

AC servo motor BDH - 1.13 N.m - 8000 rpm - key shaft - with brake - IP67

BDH0583C35F2A

Discontinued on: 8 Jul 2022

EAN Code: 3389118170292

Main

Product or component type	AC servo motors
Component name	BDH
Continuous stall torque	1.13 N.m for LXM15LU60N4 3 phases
Peak stall torque	3.2 N.m for LXM15LU60N4 at 230 V 3 phases 3.2 N.m for LXM15LU60N4 at 400 V 3 phases 3.2 N.m for LXM15LU60N4 at 480 V 3 phases
Nominal output power	250 W for LXM15LU60N4 at 230 V 3 phases 450 W for LXM15LU60N4 at 400 V 3 phases 520 W for LXM15LU60N4 at 480 V 3 phases
Nominal torque	0.82 N.m for LXM15LU60N4 at 480 V 3 phases 0.87 N.m for LXM15LU60N4 at 400 V 3 phases 1 N.m for LXM15LU60N4 at 230 V 3 phases
Nominal speed	2500 rpm for LXM15LU60N4 at 230 V 3 phases 5000 rpm for LXM15LU60N4 at 400 V 3 phases 6000 rpm for LXM15LU60N4 at 480 V 3 phases
Maximum mechanical speed	8000 rpm
Product compatibility	LXM15LU60N4 at 230 V 3 phases LXM15LU60N4 at 400 V 3 phases LXM15LU60N4 at 480 V 3 phases
Shaft end	Keyed
IP degree of protection	IP67
Encoder type	2-pole resolver
Speed feedback resolution	65536 points/turn
Holding brake	With
Mounting support	International IEC standard flange
Electrical connection	Rotatable right-angled connectors
Number of poles	6

Complementary

Range compatibility	Lexium 15
Maximum current Irms	3.95 A
Torque constant	0.8 N.m/A at 120 °C
Back emf constant	51.8 V/krpm at 120 °C
Stator resistance	20.3 Ohm at 20 °C
Stator inductance	40.7 mH at 20 °C

Stator electrical time constant	2 ms at 20 °C
Maximum radial force Fr	127 N at 8000 rpm 128 N at 7000 rpm 130 N at 6000 rpm 132 N at 5000 rpm 133 N at 4000 rpm 135 N at 3000 rpm 137 N at 2000 rpm 138 N at 1000 rpm
Maximum axial force Fa	0.3 x Fr
Net weight	1.38 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**