Product data sheet
Characteristics

BMH0701T26F1A
servo motor BMH, Lexium 32, 1.4Nm, 8000rpm, untapped shaft, with brake, IP65, IP67, 16bit encoder, straight



⚠ End of Commercialisation

Commercial status
End of Commercialisation : JUN 30, 2023

Main

Device short name	BMH
Product or component type	Servo motor
Maximum mechanical speed	8000 Rpm
Continuous stall torque	1.4 N.M for LXM32.U90M2 at 3 A, 230 V, single phase 1.4 N.M for LXM32.D18M2 at 6 A, 115 V, single phase
Peak stall torque	4 N.M for LXM32.U90M2 at 3 A, 230 V, single phase 4.2 N.M for LXM32.D18M2 at 6 A, 115 V, single phase
Nominal output power	450 W for LXM32.U90M2 at 3 A, 230 V, single phase 350 W for LXM32.D18M2 at 6 A, 115 V, single phase
Nominal torque	1.1 N.M for LXM32.U90M2 at 3 A, 230 V, single phase 1.35 N.M for LXM32.D18M2 at 6 A, 115 V, single phase
Nominal speed	4000 rpm for LXM32.U90M2 at 3 A, 230 V, single phase 2500 rpm for LXM32.D18M2 at 6 A, 115 V, single phase
Product compatibility	LXM32.D18M2 at 115 V single phase LXM32.U90M2 at 230 V single phase
Shaft end	Smooth shaft
IP degree of protection	IP65 standard IP67 with IP67 kit
Speed feedback resolution	32768 points/turn
Holding brake	With
Mounting support	International standard flange
Electrical connection	Straight connectors

Complementary

Range compatibility	Lexium 32
[Us] rated supply voltage	240 V
Network number of phases	Three phase
Continuous stall current	2.85 A
Continuous power	1.05 W
Maximum current Irms	9.6 A for LXM32.D18M2 9.6 A for LXM32.U90M2
Maximum permanent current	9.56 A
Second shaft	Without second shaft end
Shaft diameter	11 Mm
Shaft length	23 Mm
Feedback type	Single turn SinCos Hiperface

Holding torque	3 N.M holding brake
Motor flange size	70 Mm
Number of motor stacks	1
Torque constant	0.49 N.M/A at 120 °C
Back emf constant	31.17 V/Krpm at 120 °C
Number of motor poles	10
Rotor inertia	0.7 Kg.Cm²
Stator resistance	3.2 Ohm at 20 °C
Stator inductance	9.1 MH at 20 °C
Stator electrical time constant	2.8 Ms at 20 °C
Maximum radial force Fr	660 N at 1000 rpm 520 N at 2000 rpm 460 N at 3000 rpm 410 N at 4000 rpm 380 N at 5000 rpm 360 N at 6000 rpm
Maximum axial force Fa	0.2 x Fr
Brake pull-in power	7 W
Type of cooling	Natural convection
Length	161 Mm
Centring collar diameter	60 Mm
Centring collar depth	2.5 Mm
Number of mounting holes	4
Mounting holes diameter	5.5 Mm
Circle diameter of the mounting holes	82 Mm
Net weight	2.6 Kg
Sizing reference	BMH0701T
Network number of phases	3
Accuracy error [angular]	4.8 °
Temperature copper hot	135 °C
Temperature magnet hot	100 °C
Temperature magnet rt	20 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	11.0 Cm
Package 1 Width	20.0 Cm
Package 1 Length	40.0 Cm
Package 1 Weight	2.8 Kg
Unit Type of Package 2	P06
Number of Units in Package 2	36
Package 2 Height	105.0 Cm
Package 2 Width	80.0 Cm
Package 2 Length	60.0 Cm
Package 2 Weight	107.8 Kg

Offer Sustainability

Mercury free	Yes
Sustainable packaging	No
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which
PVC free	Yes
End of life manual availability	No need of specific recycling operations
WEEE Label	The product must be disposed on European Union markets following specific waste collection and

Contractual warranty

Warranty (in months)	18

Product Life Status : End of commerc. - Block

BMH0701T26F1A is replaced by the following product range:



2302

Servo drives and servo motors from 0.15 to 11 kW

Substitution date: |