

# BMH2051P22F2A

servo motor BMH - 34.4 Nm - 3800 rpm -  
untapped shaft - with brake - IP65/IP67

Product availability : Non-Stock - Not normally stocked in distribution facility



Price\* : 5,685.00 USD



## Main

Product or component type	Servo motor
Device short name	BMH
Maximum mechanical speed	3800 rpm
Continuous stall torque	304.42 lbf.in (34.4 N.m) for LXM32.D72N4 24 A at 400 V three phase 304.42 lbf.in (34.4 N.m) for LXM32.D72N4 24 A at 480 V three phase
Peak stall torque	915.04 lbf.in (103.4 N.m) for LXM32.D72N4 24 A at 400 V three phase 915.04 lbf.in (103.4 N.m) for LXM32.D72N4 24 A at 480 V three phase
Nominal output power	5400 W for LXM32.D72N4 24 A at 400 V three phase 5400 W for LXM32.D72N4 24 A at 480 V three phase
Nominal torque	228.32 lbf.in (25.8 N.m) for LXM32.D72N4 24 A at 400 V three phase 228.32 lbf.in (25.8 N.m) for LXM32.D72N4 24 A at 480 V three phase
Nominal speed	2000 rpm for LXM32.D72N4 24 A at 480 V three phase 2000 rpm for LXM32.D72N4 24 A at 400 V three phase
Product compatibility	LXM32.D72N4 at 400...480 V three phase
Shaft end	Smooth shaft
IP degree of protection	IP65 (standard) IP67 (with IP67 kit)
Speed feedback resolution	131072 points/turn x 4096 turns
Holding brake	With
Mounting support	International standard flange
Electrical connection	Rotatable right-angled connectors

## Complementary


Range compatibility	Lexium 32
[Us] rated supply voltage	480 V
Phase	Three phase
Continuous stall current	21.5 A
Continuous power	6.8 W

Maximum current Irms	72 A LXM32.D72N4
Maximum permanent current	78.1 A
Second shaft	Without second shaft end
Shaft diameter	1.5 in (38 mm)
Shaft length	3.15 in (80 mm)
Feedback type	Multiturn SinCos Hiperface
Holding torque	707.96 lbf.in (80 N.m) (holding brake)
Motor flange size	8.07 in (205 mm)
Number of motor stacks	1
Back emf constant	104 V/krpm at 248 °F (120 °C)
Number of motor poles	10
Rotor inertia	87.4 kg.cm <sup>2</sup>
Stator resistance	0.3 Ohm at 68 °F (20 °C)
Stator inductance	5.9 mH at 68 °F (20 °C)
Stator electrical time constant	19.7 ms at 68 °F (20 °C)
Maximum radial force Fr	2580 N at 3000 rpm 2960 N at 2000 rpm 3730 N at 1000 rpm
Maximum axial force Fa	0.2 x Fr
Brake pull-in power	40 W
Type of cooling	Natural convection
Length	14.59 in (370.5 mm)
Centring collar diameter	7.09 in (180 mm)
Centring collar depth	0.16 in (4 mm)
Number of mounting holes	4
Mounting holes diameter	0.55 in (14 mm)
Circle diameter of the mounting holes	8.46 in (215 mm)
Product weight	83.56 lb(US) (37.9 kg)

## Ordering and shipping details

Category	18282 - LEXIUM 32 MOTORS
Discount Schedule	PC53
GTIN	003606485202709
Nbr. of units in pkg.	1
Package weight(Lbs)	94.60000000000009
Returnability	N
Country of origin	DE

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant  <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
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
----- More information	For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

## Contractual warranty

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Warranty period	18 months
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