

BMH2052P22A2A

servo motor BMH, Lexium 32, 62.5Nm,
3800rpm, untapped shaft, without brake, IP65,
IP67, 128 multiturn encoder



Main

Device short name	BMH
Product or component type	Servo motor
Maximum mechanical speed	3800 rpm
Continuous stall torque	62.5 N.M for LXM32.D72N4 at 24 A, 400 V, three phase 62.5 N.m for LXM32.D72N4 at 24 A, 480 V, three phase
Peak stall torque	170 N.M for LXM32.D72N4 at 24 A, 400 V, three phase 170 N.m for LXM32.D72N4 at 24 A, 480 V, three phase
Nominal output power	6500 W for LXM32.D72N4 at 24 A, 400 V, three phase 6500 W for LXM32.D72N4 at 24 A, 480 V, three phase
Nominal torque	41.6 N.M for LXM32.D72N4 at 24 A, 400 V, three phase 41.6 N.m for LXM32.D72N4 at 24 A, 480 V, three phase
Nominal speed	1500 rpm for LXM32.D72N4 at 24 A, 400 V, three phase 1500 rpm for LXM32.D72N4 at 24 A, 480 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	Without
Mounting support	International standard flange
Electrical connection	Rotatable right-angled connectors

Complementary

Range compatibility	Lexium 32
[Us] rated supply voltage	480 V
Network number of phases	Three phase
Continuous stall current	24.2 A
Continuous power	7.85 W
Maximum current Irms	72 A for LXM32.D72N4
Maximum permanent current	96.8 A
Second shaft	Without second shaft end
Shaft diameter	38 mm
Shaft length	80 mm
Feedback type	Multiturn SinCos Hiperface
Motor flange size	205 mm
Number of motor stacks	2
Torque constant	2.6 N.m/A at 120 °C

Back emf constant	161 V/krpm at 120 °C
Number of motor poles	10
Rotor inertia	129 kg.cm ²
Stator resistance	0.3 Ohm at 20 °C
Stator inductance	5.6 mH at 20 °C
Stator electrical time constant	18.7 ms at 20 °C
Maximum radial force Fr	4200 N at 1000 rpm 3330 N at 2000 rpm 2910 N at 3000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	405 mm
Centring collar diameter	180 mm
Centring collar depth	4 mm
Number of mounting holes	4
Mounting holes diameter	14 mm
Circle diameter of the mounting holes	215 mm
Net weight	44 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	36.0 cm
Package 1 Width	31.0 cm
Package 1 Length	73.0 cm
Package 1 Weight	54.0 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	No need of specific recycling operations
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Contractual warranty

Warranty	18 months
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