

servo motor BMH - 48 Nm - 4000 rpm - untapped shaft - without brake- IP65/IP67

BMH1902P22A2A

EAN Code: 3606485266169

Main

Device short name	ВМН	
Product or component type	Servo motor	
Maximum mechanical speed	4000 rpm	
O	<u> </u>	
Continuous stall torque	37.4 N.m for LXM32.D72N4 at 24 A, 400 V, three phase	
	37.4 N.m for LXM32.D72N4 at 24 A, 480 V, three phase	
	48 N.m for LXM32MD85N4 at 32 A, 400 V, three phase	
	48 N.m for LXM32MC40N4 at 42 A, 480 V, three phase	
	48 N.m for LXM32MC10N4 at 40 A, 400 V, three phase 48 N.m for LXM32MC10N4 at 40 A, 480 V, three phase	
Peak stall torque	101 N.m for LXM32.D72N4 at 24 A, 400 V, three phase	
	101 N.m for LXM32.D72N4 at 24 A, 480 V, three phase	
	115.5 N.m for LXM32MD85N4 at 32 A, 400 V, three phase	
	115.5 N.m for LXM32MD85N4 at 32 A, 480 V, three phase	
	130.7 N.m for LXM32MC10N4 at 40 A, 400 V, three phase	
	130.7 N.m for LXM32MC10N4 at 40 A, 480 V, three phase	
Nominal output power	5900 W for LXM32.D72N4 at 24 A, 400 V, three phase	
	5900 W for LXM32.D72N4 at 24 A, 480 V, three phase	
	6070 W for LXM32MD85N4 at 32 A, 400 V, three phase	
	6070 W for LXM32MD85N4 at 32 A, 480 V, three phase	
	6070 W for LXM32MC10N4 at 40 A, 400 V, three phase	
	6070 W for LXM32MC10N4 at 40 A, 480 V, three phase	
Nominal torque	22.3 N.m for LXM32.D72N4 at 24 A, 400 V, three phase	
	22.3 N.m for LXM32.D72N4 at 24 A, 480 V, three phase	
	29 N.m for LXM32MD85N4 at 32 A, 400 V, three phase	
	29 N.m for LXM32MD85N4 at 32 A, 480 V, three phase	
	29 N.m for LXM32MC10N4 at 40 A, 400 V, three phase	
	29 N.m for LXM32MC10N4 at 40 A, 480 V, three phase	
Nominal speed	2000 rpm for LXM32MC10N4 at 40 A, 400 V, three phase	
	2000 rpm for LXM32MC10N4 at 40 A, 480 V, three phase	
	2500 rpm for LXM32.D72N4 at 24 A, 400 V, three phase	
	2500 rpm for LXM32.D72N4 at 24 A, 480 V, three phase	
	2000 rpm for LXM32MD85N4 at 32 A, 400 V, three phase	
	2000 rpm for LXM32MD85N4 at 32 A, 480 V, three phase	
Product compatibility	LXM32.D72N4 at 400480 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	30.8 A	
Continuous power	6.1 W	
Maximum current Irms	113.95 A for LXM32.D72N4	
Maximum permanent current	114 A	
Second shaft	Without second shaft end	
Shaft diameter	38 mm	
Shaft length	80 mm	
Feedback type	Multiturn SinCos Hiperface	
Motor flange size	190 mm	
Number of motor stacks	2	
Torque constant	1.56 N.m/A at 120 °C	
Back emf constant	108.3 V/krpm at 120 °C	
Number of motor poles	5.0	
Rotor inertia	130.1 kg.cm²	
Stator resistance	0.15 Ohm at 20 °C	
Stator inductance	1.93 mH at 20 °C	
Stator electrical time constant	25.7 ms at 20 °C	
Maximum radial force Fr	4200 N at 1000 rpm	
Maximum axial force Fa	0.2 x Fr	
type of cooling	Natural convection	
Length	250 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	31 kg	
Sizing reference	BMH1902P	
Network number of phases	3	
Accuracy error [angular]	1.4 °	
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	30.000 cm
Package 1 Width	40.000 cm

Package 1 Length	79.500 cm
Package 1 Weight	31.500 kg
Unit Type of Package 2	P06
Number of Units in Package 2	4
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	134.192 kg

Logistical informations

Country of origin

Contractual warranty

Warranty 18 months



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 >

∇ Environmental footprint	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	6675
Environmental Disclosure	Product Environmental Profile

Use Better

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	A7df881f-135f-4256-b8c2-ea55d4c9a151
REACh Regulation	REACh Declaration
PVC free	Yes

Use Again

○ Repack and remanufacture	
Circularity Profile	No need of specific recycling operations
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins