Product datasheet

Specifications

Green Premium™

servo motor MH3 190 64,9Nm,no key,multi 16 lines,brake,IP65/IP67,2kRPM

MH31902P07F2200

Discontinued on: 30 Aug 2022

Discontinued

Main

Range Compatibility	PacDrive 3
Product Or Component Type	AC servo motors
Device Short Name	MH3

Complementary

Maximum Mechanical Speed	3800 rpm
[Us] Rated Supply Voltage	115...480 V
Network Number Of Phases	Three phase
Continuous Stall Current	30.8 A
Continuous Stall Torque	48 N.m, 115...480 V, three phase
Continuous Power	6260 W
Peak Stall Torque	220 N.m, 115...480 V, three phase
Nominal Output Power	6.07 W, 400 V 6.07 W, 480 V
Nominal Torque	29 N.m for LXM52 at 19.3 mA, 400 V, 3 phases 29 N.m for LXM52 at 19.3 mA, 480 V, 3 phases 29 N.m for LXM62 at 19.3 mA, 400 V, 3 phases 29 N.m for LXM62 at 19.3 mA, 480 V, 3 phases
Nominal Speed	2000 rpm for LXM52 at 19.3 mA, 400 V, 3 phases 2000 rpm for LXM52 at 19.3 mA, 480 V, 3 phases 2000 rpm for LXM62 at 19.3 mA, 400 V, 3 phases 2000 rpm for LXM62 at 19.3 mA, 480 V, 3 phases
Maximum Current Irms	114 A
Shaft End	Smooth shaft
Second Shaft	Without second shaft end
Shaft Diameter	38 mm
Shaft Length	80 mm
Ip Degree Of Protection	IP65 standard
Encoder Type	Multiturn SinCos Hiperface
Speed Feedback Resolution	16 periods
Holding Brake	With
Holding Torque	60 N.m
Mounting Support	International standard flange
Motor Flange Size	190 mm

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Electrical Connection	Rotatable right-angled connectors
Torque Constant	1.56 N.m/A at 120 °C
Back Emf Constant	108.3 V/krpm
Number Of Motor Poles	10
Rotor Inertia	144.8 kg.cm²
Stator Resistance	0.15 Ohm
Stator Inductance	3.86 mH
Stator Electrical Time Constant	18.7 ms
Maximum Radial Force Fr	3200 N at 1000 rpm 3100 N at 2000 rpm 3000 N at 3000 rpm 2950 N at 4000 rpm
Brake Pull-In Power	25 W
Type Of Cooling	Natural convection
Length	308 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	48.9 kg

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	40.0 cm
Package 1 Width	30.0 cm
Package 1 Length	79.5 cm
Package 1 Weight	32.7 kg

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

Well-being performance

Mercury Free	
Rohs Exemption Information	Yes
Pvc Free	

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	No need of specific recycling operations