Product data sheet

Specifications





servo motor MH3 070 2,2Nm,no key,single,brake,IP65/IP67,6kRPM

MH30702P01F2200

() Discontinued on: Sep 30, 2023

() To be end-of-service on: Mar 31, 2025

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

Main

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

Complementary

| oompicincinal y | |
|---------------------------|--|
| Maximum Mechanical Speed | 8000 rpm |
| [Us] Rated Supply Voltage | 115480 V |
| Phase | Three phase |
| Continuous Stall Current | 2.94 A |
| Continuous Stall Torque | 21.95 lbf.in (2.48 N.m), 115480 V, three phase |
| Continuous Power | 1380 W |
| Peak Stall Torque | 65.50 lbf.in (7.4 N.m), 115480 V, three phase |
| Nominal Output Power | 0.31 W, 115 V 0.7 W, 230 V 1.16 W, 400 V 1.38 W, 480 V |
| Nominal Torque | 20.98 lbf.in (2.37 N.m) LXM52 2.82 mA, 115 V, 1 phase 19.74 lbf.in (2.23 N.m) LXM52 2.7 mA, 230 V, 1 phase 17.79 lbf.in (2.01 N.m) LXM52 2.49 mA, 400 V, 3 phase 16.73 lbf.in (1.89 N.m) LXM52 2.36 mA, 480 V, 3 phase 20.98 lbf.in (2.37 N.m) LXM62 2.82 mA, 115 V, 1 phase 19.74 lbf.in (2.23 N.m) LXM62 2.7 mA, 230 V, 1 phase 17.79 lbf.in (2.01 N.m) LXM62 2.49 mA, 400 V, 3 phase 16.73 lbf.in (1.89 N.m) LXM62 2.36 mA, 480 V, 3 phase |
| Nominal Speed | 1250 rpm LXM52 2.82 mA, 115 V, 1 phase 3000 rpm LXM52 2.7 mA, 230 V, 1 phase 5500 rpm LXM52 2.49 mA, 400 V, 3 phase 7000 rpm LXM52 2.36 mA, 480 V, 3 phase 1250 rpm LXM62 2.82 mA, 115 V, 1 phase 3000 rpm LXM62 2.7 mA, 230 V, 1 phase 5500 rpm LXM62 2.49 mA, 400 V, 3 phase 7000 rpm LXM62 2.36 mA, 480 V, 3 phase |
| Maximum Current Irms | 9.68 A |
| Shaft End | Smooth shaft |
| Second Shaft | Without second shaft end |
| Shaft Diameter | 0.43 in (11 mm) |
| Shaft Length | 0.91 in (23 mm) |
| Ip Degree Of Protection | IP65 standard |

Price is "List Price" and may be subject to a trade discount - check with your local distributor or retailer for actual price.

| Encoder Type | Single turn SinCos Hiperface | |
|---------------------------------------|-----------------------------------|--|
| Speed Feedback Resolution | 128 periods | |
| Holding Brake | With | |
| Holding Torque | 26.55 lbf.in (3 N.m) | |
| Mounting Support | International standard flange | |
| Motor Flange Size | 2.76 in (70 mm) | |
| Electrical Connection | Rotatable right-angled connectors | |
| Torque Constant | 0.84 N.m/A 248 °F (120 °C) | |
| Back Emf Constant | 54.08 V/krpm | |
| Number Of Motor Poles | 10 | |
| Rotor Inertia | 1.24 kg.cm ² | |
| Stator Resistance | 3.84 Ohm | |
| Stator Inductance | 12.19 mH | |
| Stator Electrical Time Constant | 3.2 ms | |
| Maximum Radial Force Fr | 710 N 1000 rpm | |
| | 560 N 2000 rpm | |
| | 490 N 3000 rpm | |
| | 450 N 4000 rpm | |
| | 410 N 5000 rpm | |
| | 390 N 6000 rpm | |
| Brake Pull-In Power | 7 W | |
| Type Of Cooling | Natural convection | |
| Length | 7.60 in (193 mm) | |
| Centring Collar Diameter | 2.36 in (60 mm) | |
| Centring Collar Depth | 0.10 in (2.5 mm) | |
| Number Of Mounting Holes | 4 | |
| Mounting Holes Diameter | 0.22 in (5.5 mm) | |
| Circle Diameter Of The Mounting Holes | 3.23 in (82 mm) | |
| Net Weight | 7.28 lb(US) (3.3 kg) | |
| | | |

Ordering and shipping details

| Category | US1PC5218359 | |
|-------------------|---------------|--|
| Discount Schedule | PC52 | |
| Gtin | 3606485395128 | |
| Returnability | No | |
| Country Of Origin | US | |

Packing Units

| Unit Type Of Package 1 | PCE | |
|------------------------------|--------------------|--|
| Number Of Units In Package 1 | 1 1 | |
| Package 1 Height | 4.53 in (11.5 cm) | |
| Package 1 Width | 7.48 in (19.0 cm) | |
| Package 1 Length | 15.55 in (39.5 cm) | |

Package 1 Weight

5.07 lb(US) (2.3 kg)

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ 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 |
| 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 |