

Product data sheet

Specifications



servo motor MH3 070 1,4Nm,no key,single 16 lines,no brake,IP65/IP67,6kRPM

MH30701P06F2200

! Discontinued - Service only

! Discontinued on: Sep 30, 2023

! End-of-service on: Mar 31, 2025

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

Main

| | |
|---------------------------|-------------|
| Range Compatibility | PacDrive 3 |
| Device short name | MH3 |
| Product or Component Type | Servo motor |

Complementary

| | |
|---------------------------|---|
| Maximum mechanical speed | 8000 rpm |
| [Us] rated supply voltage | 115...480 V |
| Phase | Three phase |
| Continuous stall current | 1.78 A |
| Continuous stall torque | 12.4 lbf.in (1.4 N.m), 115...480 V, three phase |
| Continuous power | 930 W |
| Peak stall torque | 37.2 lbf.in (4.2 N.m), 115...480 V, three phase |
| Nominal output power | 0.18 W, 115 V 0.42 W, 230 V 0.75 W, 400 V 0.93 W, 480 V |
| Nominal torque | 12.21 lbf.in (1.38 N.m) LXM52 1.75 mA, 115 V, three phase 11.86 lbf.in (1.34 N.m) LXM52 1.75 mA, 230 V, single phase 11.5 lbf.in (1.3 N.m) LXM52 1.72 mA, 400 V, three phase 11.24 lbf.in (1.27 N.m) LXM52 1.7 mA, 480 V, three phase 12.21 lbf.in (1.38 N.m) LXM62 1.75 mA, 115 V, single phase 11.86 lbf.in (1.34 N.m) LXM62 1.75 mA, 230 V, single phase 11.5 lbf.in (1.3 N.m) LXM62 1.72 mA, 400 V, three phase 11.24 lbf.in (1.27 N.m) LXM62 1.7 mA, 480 V, three phase |
| Nominal speed | 1250 rpm LXM52 1.75 mA, 115 V, single phase 3000 rpm LXM52 1.75 mA, 230 V, single phase 5500 rpm LXM52 1.72 mA, 400 V, three phase 7000 rpm LXM52 1.7 mA, 480 V, three phase 1250 rpm LXM62 1.75 mA, 115 V, single phase 3000 rpm LXM62 1.75 mA, 230 V, single phase 5500 rpm LXM62 1.72 mA, 400 V, three phase 7000 rpm LXM62 1.7 mA, 480 V, three phase |
| Maximum current Irms | 5.97 A |
| Shaft end | Smooth shaft |
| Second shaft | Without second shaft end |
| Shaft diameter | 0.4 in (11 mm) |
| Shaft length | 0.9 in (23 mm) |

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

| | |
|--|--|
| IP Degree of Protection | IP65 standard |
| Encoder type | Single turn SinCos Hiperface |
| Speed feedback resolution | 16 periods |
| Holding brake | With |
| Holding torque | 26.6 lbf.in (3 N.m) |
| Mounting Support | International standard flange |
| Motor flange size | 2.8 in (70 mm) |
| Electrical Connection | Rotatable right-angled connectors |
| Torque constant | 0.79 N.m/A 248 °F (120 °C) |
| Back emf constant | 50.72 V/krpm |
| Number of motor poles | 10 |
| Rotor inertia | 0.7 kg.cm ² |
| Stator resistance | 8.28 Ohm |
| Stator inductance | 23.4 mH |
| Stator electrical time constant | 2.8 ms |
| Maximum radial force Fr | 660 N 1000 rpm 520 N 2000 rpm 460 N 3000 rpm 410 N 4000 rpm 380 N 5000 rpm 360 N 6000 rpm |
| Brake pull-in power | 7 W |
| Type of cooling | Natural convection |
| Length | 6.3 in (161 mm) |
| Centring collar diameter | 2.4 in (60 mm) |
| Centring collar depth | 0.10 in (2.5 mm) |
| Number of mounting holes | 4 |
| Mounting holes diameter | 0.2 in (5.5 mm) |
| Circle diameter of the mounting holes | 3.2 in (82 mm) |
| Net Weight | 5.7 lb(US) (2.6 kg) |
| Sizing reference | MH30701P |
| Temperature copper hot | 275 °F (135 °C) |

Ordering and shipping details

| | |
|--------------------------|---------------|
| Category | US1PC5218359 |
| Discount Schedule | PC52 |
| GTIN | 3606485394886 |
| Returnability | No |
| Country of origin | DE |

Packing Units

| | |
|-------------------------------|-----|
| Unit Type of Package 1 | PCE |
| Nbr. of units in pkg. | 1 |

| | |
|----------------------------|---------------------|
| Package 1 Height | 4.5 in (11.5 cm) |
| Package 1 Width | 7.5 in (19.0 cm) |
| Package 1 Length | 15.6 in (39.5 cm) |
| Package weight(Lbs) | 4.6 lb(US) (2.1 kg) |

Contractual warranty

| | |
|-----------------------------|----|
| Warranty (in months) | 18 |
|-----------------------------|----|



Environmental Data

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 >](#)

Use Better

| Materials and Substances | |
|--|--|
| Packaging made with recycled cardboard | No |
| Packaging without single use plastic | No |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| REACH Regulation | REACH Declaration |
| 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 |
| PVC free | Yes |

Use Longer

| Lifetime extension | |
|--------------------|----|
| Repair | No |

Use Again

| Repack and remanufacture | |
|--------------------------|--|
| Circularity Profile | No need of specific recycling operations |
| Take-back | No |