

Product data sheet

Specifications



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

MH30701P17A2200

⚠ Discontinued on: Oct 9, 2023

⚠ Discontinued

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	Parallel key
Second shaft	Without second shaft end
Shaft diameter	0.4 in (11 mm)
Shaft length	0.9 in (23 mm)
Key width	0.2 in (4 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	Multiturn SinCos Hiperface
Speed feedback resolution	16 periods
Holding brake	Without
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	0.59 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
Type of cooling	Natural convection
Length	4.8 in (122 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	3.5 lb(US) (1.6 kg)
Sizing reference	MH30701P
Temperature copper hot	275 °F (135 °C)

Ordering and shipping details

Category	US1PC5218359
Discount Schedule	PC52
GTIN	3606485395067
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 >](#)



Environmental footprint

Total lifecycle Carbon footprint

2 590 kg CO2 eq.

Use Better



Materials and Substances

[EU RoHS Directive](#)

Pro-active compliance (Product out of EU RoHS legal scope)

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