Product datasheet

Specifications

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

MH30702P02F2200

⚠ **Discontinued on:** 9 Feb 2023

EAN Code: 3606485395166

⚠ **Discontinued**

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
Network number of phases	Three phase
Continuous stall current	2.94 A
Continuous stall torque	2.48 N.m, 115...480 V, three phase
Continuous power	1380 W
Peak stall torque	7.4 N.m, 115...480 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	2.37 N.m for LXM52 at 2.82 mA, 115 V, three phase 2.23 N.m for LXM52 at 2.7 mA, 230 V, single phase 2.01 N.m for LXM52 at 2.49 mA, 400 V, three phase 1.89 N.m for LXM52 at 2.36 mA, 480 V, three phase 2.37 N.m for LXM62 at 2.82 mA, 115 V, single phase 2.23 N.m for LXM62 at 2.7 mA, 230 V, single phase 2.01 N.m for LXM62 at 2.49 mA, 400 V, three phase 1.89 N.m for LXM62 at 2.36 mA, 480 V, three phase
Nominal speed	1250 rpm for LXM52 at 2.82 mA, 115 V, single phase 3000 rpm for LXM52 at 2.7 mA, 230 V, single phase 5500 rpm for LXM52 at 2.49 mA, 400 V, three phase 7000 rpm for LXM52 at 2.36 mA, 480 V, three phase 1250 rpm for LXM62 at 2.82 mA, 115 V, single phase 3000 rpm for LXM62 at 2.7 mA, 230 V, single phase 5500 rpm for LXM62 at 2.49 mA, 400 V, three phase 7000 rpm for LXM62 at 2.36 mA, 480 V, three phase
Maximum current Irms	9.65 A
Shaft end	Smooth shaft
Second shaft	Without second shaft end
Shaft diameter	11 mm
Shaft length	23 mm
IP degree of protection	IP65 standard

Encoder type	Multiturn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	With
Holding torque	3 N.m
Mounting support	International standard flange
Motor flange size	70 mm
Electrical connection	Rotatable right-angled connectors
Torque constant	0.84 N.m/A at 120 °C
Back emf constant	54.08 V/krpm
Number of motor poles	5.0
Rotor inertia	1.24 kg.cm²
Stator resistance	3.84 Ohm
Stator inductance	12.19 mH
Stator electrical time constant	3.2 ms
Maximum radial force Fr	710 N at 1000 rpm 560 N at 2000 rpm 490 N at 3000 rpm 450 N at 4000 rpm 410 N at 5000 rpm 390 N at 6000 rpm
Brake pull-in power	7 W
type of cooling	Natural convection
Length	193 mm
Centring collar diameter	60 mm
centring collar depth	2.5 mm
Number of mounting holes	4
Mounting holes diameter	5.5 mm
Circle diameter of the mounting holes	82 mm
Net weight	3.3 kg
Sizing reference	MH30702P
Temperature copper hot	135 °C
compatible drive output current 3s peak 2	15 A

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	11.5 cm
Package 1 Width	19.0 cm
Package 1 Length	39.5 cm
Package 1 Weight	2.3 kg

Contractual warranty

Warranty	18 months

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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

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	**1320**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

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)**
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**