

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

MH30702P02A2200

EAN Code: 3606485395142

### Main

Range compatibility	PacDrive 3
Device short name	MH3
Product or component type	Servo motor

### Complementary

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Maximum mechanical speed	8000 rpm		
[Us] rated supply voltage	115480 V		
Network number of phases	Three phase		
Continuous stall current	2.94 A		
Continuous stall torque	2.48 N.m, 115480 V, three phase		
Continuous power	1380 W		
Peak stall torque	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		
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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		
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	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		
Nominal opeca	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	Without	
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	1.13 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	
type of cooling	Natural convection	
Length	154 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	2.3 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

### **Logistical informations**

Country of origin DE

# **Contractual warranty**

Warranty 18 months



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 >

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	1313	
Environmental Disclosure	Product Environmental Profile	

### **Use Better**

S 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