



## Main

Range compatibility	PacDrive 3
Product or component type	AC servo motors
Device short name	MH3

## 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, 115 V 2.23 N.m, 230 V 2.01 N.m, 400 V 1.89 N.m, 480 V
Nominal speed	1250 rpm, 115 V 3000 rpm, 230 V 5500 rpm, 400 V 7000 rpm, 480 V
Maximum current Irms	9.68 A
Shaft end	Parallel key
Second shaft	Without second shaft end
Shaft diameter	11 mm
Shaft length	23 mm
Key width	4 mm

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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	10
Rotor inertia	1.24 kg.cm <sup>2</sup>
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
Product weight	3.3 kg

### Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	No need of specific recycling operations
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

### Contractual warranty

Warranty	18 months
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