



Main

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

Complementary

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| Maximum mechanical speed | 8000 rpm |
| [Us] rated supply voltage | 115...480 V |
| Network number of phases | Three phase |
| Continuous stall current | 1.78 A |
| Continuous stall torque | 1.4 N.m, 115...480 V, three phase |
| Continuous power | 930 W |
| Peak stall torque | 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 | 1.38 N.m, 115 V 1.34 N.m, 230 V 1.3 N.m, 400 V 1.27 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 | 5.97 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

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|---------------------------------------|--|
| IP degree of protection | IP65 standard |
| Encoder type | Single turn SinCos Hiperface |
| Speed feedback resolution | 16 periods |
| Holding brake | Without |
| Mounting support | International standard flange |
| Motor flange size | 70 mm |
| Electrical connection | Rotatable right-angled connectors |
| Torque constant | 0.79 N.m/A at 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 at 1000 rpm 520 N at 2000 rpm 460 N at 3000 rpm 410 N at 4000 rpm 380 N at 5000 rpm 360 N at 6000 rpm |
| Type of cooling | Natural convection |
| Length | 122 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 | 1.6 kg |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration |
| Environmental Disclosure | Product Environmental Profile |
| 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

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| Warranty | 18 months |
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