



### Main

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

### Complementary

|                           |  |
|---------------------------|--|
| Maximum mechanical speed  | 3800 rpm                               |
| [Us] rated supply voltage | 115...480 V                            |
| Network number of phases  | Three phase                            |
| Continuous stall current  | 23.2 A                                 |
| Continuous stall torque   | 30 N.m at 115...480 V three phase      |
| Continuous power          | 6750 W                                 |
| Peak stall torque         | 110 N.m at 115...480 V three phase     |
| Nominal output power      | 5.18 W at 400 V<br>5.18 W at 480 V     |
| Nominal torque            | 16.5 N.m at 400 V<br>16.5 N.m at 480 V |
| Nominal speed             | 3000 rpm at 400 V<br>3000 rpm at 480 V |
| Maximum current Irms      | 89.6 A                                 |
| Shaft end                 | Parallel key                           |
| Second shaft              | Without second shaft end               |
| Shaft diameter            | 38 mm                                  |
| Shaft length              | 80 mm                                  |
| Key width                 | 10 mm                                  |
| IP degree of protection   | IP65 (standard)                        |
| Encoder type              | Single turn SinCos Hiperface           |
| Speed feedback resolution | 128 periods                            |
| Holding brake             | With                                   |

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

|                                       |  |
|---------------------------------------|--|
| Holding torque                        | 32 N.m   |
| Mounting support                      | International standard flange  |
| Motor flange size                     | 190 mm   |
| Electrical connection                 | Rotatable right-angled connectors  |
| Torque constant                       | 1.3 N.m/A at 120 °C  |
| Back emf constant                     | 87.6 V/krpm  |
| Number of motor poles                 | 10   |
| Rotor inertia                         | 71.8 kg.cm <sup>2</sup>  |
| Stator resistance                     | 0.24 Ohm   |
| Stator inductance                     | 5.08 mH  |
| Stator electrical time constant       | 19.7 ms  |
| Maximum radial force Fr               | 2900 N at 1000 rpm<br>2750 N at 2000 rpm<br>2650 N at 3000 rpm<br>2600 N at 4000 rpm |
| Brake pull-in power                   | 22.5 W   |
| Type of cooling                       | Natural convection   |
| Length                                | 248 mm   |
| Centring collar diameter              | 180 mm   |
| Centring collar depth                 | 4 mm   |
| Number of mounting holes              | 4  |
| Mounting holes diameter               | 14 mm  |
| Circle diameter of the mounting holes | 215 mm   |
| Product weight                        | 37.9 kg  |
| Sizing reference                      | MH31901P   |
| Temperature copper hot                | 135 °C   |

## Offer Sustainability

|                                  |   |
|----------------------------------|---|
| Sustainable offer status         | Green Premium product   |
| RoHS (date code: YYWW)           | Compliant - since 1343 - Schneider Electric declaration of conformity<br><a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold<br><a href="#">Reference not containing SVHC above the threshold</a>                |
| Product environmental profile    | Available   |
| Product end of life instructions | Need no specific recycling operations   |