



### 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	1.78 A
Continuous stall torque	1.4 N.m at 115...480 V three phase
Continuous power	930 W
Peak stall torque	4.2 N.m at 115...480 V three phase
Nominal output power	0.18 W at 115 V 0.42 W at 230 V 0.75 W at 400 V 0.93 W at 480 V
Nominal torque	1.38 N.m at 115 V 1.34 N.m at 230 V 1.3 N.m at 400 V 1.27 N.m at 480 V
Nominal speed	1250 rpm at 115 V 3000 rpm at 230 V 5500 rpm at 400 V 7000 rpm at 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

MH30701P16F2200

IP degree of protection	IP65 (standard)
Encoder type	Single turn SinCos Hiperface
Speed feedback resolution	16 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	0.79 N.m/A at 120 °C
Back emf constant	50.72 V/krpm
Number of motor poles	10
Rotor inertia	0.7 kg.cm <sup>2</sup>
Stator resistance	8.28 Ohm
Stator inductance	23.4 mH
Stator electrical time constant	2.8 ms
Maximum radial force Fr	360 N at 6000 rpm 380 N at 5000 rpm 410 N at 4000 rpm 460 N at 3000 rpm 520 N at 2000 rpm 660 N at 1000 rpm
Brake pull-in power	7 W
Type of cooling	Natural convection
Length	161 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	2.6 kg
Sizing reference	MH30701P
Temperature copper hot	135 °C

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1328 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations