



Main

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

Complementary

Maximum mechanical speed	6000 rpm
[Us] rated supply voltage	115...480 V
Network number of phases	Three phase
Continuous stall current	5.04 A
Continuous stall torque	6 N.m at 115...480 V three phase
Continuous power	2270 W
Peak stall torque	18 N.m at 115...480 V three phase
Nominal output power	0.59 W at 115 V 1.12 W at 230 V 1.95 W at 400 V 2.27 W at 480 V
Nominal torque	5.67 N.m at 115 V 5.33 N.m at 230 V 4.67 N.m at 400 V 4.2 N.m at 480 V
Nominal speed	1000 rpm at 115 V 2000 rpm at 230 V 4000 rpm at 400 V 5000 rpm at 480 V
Maximum current Irms	17.4 A
Shaft end	Smooth shaft
Second shaft	Without second shaft end
Shaft diameter	19 mm
Shaft length	40 mm
IP degree of protection	IP65 (standard)

Encoder type	Single turn SinCos Hiperface
Speed feedback resolution	16 periods
Holding brake	With
Holding torque	5.5 N.m
Mounting support	International standard flange
Motor flange size	100 mm
Electrical connection	Rotatable right-angled connectors
Torque constant	1.19 N.m/A at 120 °C
Back emf constant	78 V/krpm
Number of motor poles	10
Rotor inertia	6.77 kg.cm ²
Stator resistance	1.97 Ohm
Stator inductance	8.24 mH
Stator electrical time constant	5 ms
Maximum radial force Fr	620 N at 4000 rpm 690 N at 3000 rpm 790 N at 2000 rpm 990 N at 1000 rpm 580 N at 5000 rpm
Brake pull-in power	12 W
Type of cooling	Natural convection
Length	202.3 mm
Centring collar diameter	95 mm
Centring collar depth	3.5 mm
Number of mounting holes	4
Mounting holes diameter	9 mm
Circle diameter of the mounting holes	115 mm
Product weight	6.4 kg
Sizing reference	MH31002P
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 Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations