

Product datasheet

Characteristics

MH31901P16A2200

servo motor MH3 190 36,9Nm,key,single 16 lines,no brake,IP65/IP67,3kRPM



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, 115...480 V, three phase
Continuous power	6750 W
Peak stall torque	110 N.m, 115...480 V, three phase
Nominal output power	5.18 W, 400 V 5.18 W, 480 V
Nominal torque	16.5 N.m, 400 V 16.5 N.m, 480 V
Nominal speed	3000 rpm, 400 V 3000 rpm, 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	16 periods
Holding brake	Without

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

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	67.7 kg.cm ²
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 2750 N at 2000 rpm 2650 N at 3000 rpm 2600 N at 4000 rpm
Type of cooling	Natural convection
Length	190 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	33 kg

Offer Sustainability

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

Warranty	18 months
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