

Product data sheet

Characteristics

MH30703P11A2200

servo motor MH3 070 3,1Nm,key,single,no
brake,IP65/IP67,6kRPM

Product availability : Non-Stock - Not normally stocked in distribution facility



Price* : 1,230.15 USD



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
Phase	Three phase
Continuous stall current	3.91 A
Continuous stall torque	30.09 lbf.in (3.4 N.m) at 115...480 V three phase
Continuous power	1540 W
Peak stall torque	90.27 lbf.in (10.2 N.m) at 115...480 V three phase
Nominal output power	0.42 W at 115 V 0.75 W at 230 V 1.32 W at 400 V 1.54 W at 480 V
Nominal torque	28.14 lbf.in (3.18 N.m) at 115 V 26.19 lbf.in (2.96 N.m) at 230 V 2.53 N.m at 400 V 2.26 N.m at 480 V
Nominal speed	1250 rpm at 115 V 2500 rpm at 230 V 5000 rpm at 400 V 6500 rpm at 480 V
Maximum current Irms	12.57 A
Shaft end	Parallel key
Second shaft	Without second shaft end
Shaft diameter	0.55 in (14 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

Shaft length	1.18 in (30 mm)
Key width	0.2 in (5 mm)
IP degree of protection	IP65 (standard)
Encoder type	Single turn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	Without
Mounting support	International standard flange
Motor flange size	2.76 in (70 mm)
Electrical connection	Rotatable right-angled connectors
Torque constant	0.87 N.m/A at 248 °F (120 °C)
Back emf constant	55 V/krpm
Number of motor poles	10
Rotor inertia	1.67 kg.cm ²
Stator resistance	2.65 Ohm
Stator inductance	8.64 mH
Stator electrical time constant	3.2 ms
Maximum radial force Fr	400 N at 6000 rpm 430 N at 5000 rpm 460 N at 4000 rpm 510 N at 3000 rpm 580 N at 2000 rpm 730 N at 1000 rpm
Type of cooling	Natural convection
Length	7.32 in (186 mm)
Centring collar diameter	2.36 in (60 mm)
Centring collar depth	0.1 in (2.5 mm)
Number of mounting holes	4
Mounting holes diameter	0.22 in (5.5 mm)
Circle diameter of the mounting holes	3.23 in (82 mm)
Product weight	6.61 lb(US) (3 kg)

Ordering and shipping details

Category	18359 - PACDRIVE3 SERVO MOTORS
Discount Schedule	PC52
Nbr. of units in pkg.	1
Package weight(Lbs)	4.2999999999999998
Returnability	N

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
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
----- More information	For more information go to www.p65warnings.ca.gov