Product data sheet

Specification





integrated servo motor - 1.1 Nm - 6000 rpm - keyed shaft - multiturn-with brake

ILM0701P12F0000

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

Price*: 4,096.24 USD

Main

Range Of Product	PacDrive 3
Product Or Component Type	Servo motor integrated drive
Device Short Name	II M

Complementary

[Us] Rated Supply Voltage	250700 V
Continuous Stall Current	1.55 A
Continuous Stall Torque	9.74 lbf.in (1.1 N.m)
Peak Stall Torque	30.98 lbf.in (3.5 N.m)
Nominal Output Power	310 W
Nominal Torque	4.43 lbf.in (0.5 N.m)
Nominal Speed	6000 rpm
Maximum Current Irms	5.7 A
Line Rated Current	0.6 A
Shaft End	Keyed
Second Shaft	Without second shaft end
Shaft Diameter	0.43 in (11 mm)
Shaft Length	0.91 in (23 mm)
Key Width	0.71 in (18 mm)
Feedback Type	Absolute multiturn SinCos Hiperface
Speed Feedback Resolution	128 periods
Holding Brake	With
Holding Torque	26.55 lbf.in (3 N.m) holding brake
Mounting Support	International standard flange
Motor Flange Size	2.76 in (70 mm)
Torque Constant	0.71 N.m/A 248 °F (120 °C)
Back Emf Constant	46 V/krpm 68 °F (20 °C)
Number Of Motor Poles	6
Rotor Inertia	0.35 kg.cm ²

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Stator Resistance	10.4 Ohm 68 °F (20 °C) Ph/Ph
	7.23 Ohm 248 °F (120 °C) Ph/N
Stator Inductance	38.8 mH 68 °F (20 °C) Ph/Ph
	19.4 mH 248 °F (120 °C) Ph/N
Maximum Radial Force Fr	660 N 1000 rpm
	520 N 2000 rpm
	460 N 3000 rpm
	410 N 4000 rpm
	380 N 5000 rpm
	360 N 6000 rpm
Maximum Axial Force Fa	0.2 x Fr
Type Of Cooling	Natural convection
Length	8.62 in (219 mm)
Number Of Motor Stacks	1
Centring Collar Diameter	2.36 in (60 mm)
Centring Collar Depth	0.10 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)
Net Weight	6.61 lb(US) (3 kg)

Environment

Ip Degree Of Protection IP54

Ordering and shipping details

Category	US1PC5218351
Discount Schedule	PC52
Gtin	3606485293660
Returnability	No
Country Of Origin	US

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	8.27 in (21.0 cm)
Package 1 Width	7.09 in (18.0 cm)
Package 1 Length	14.02 in (35.6 cm)
Package 1 Weight	7.91 lb(US) (3.59 kg)

Contractual warranty

Warranty 18 months



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Transparency RoHS/REACh

Well-being performance

Ø	Reach Free Of Svhc	
Ø	Mercury Free	
9	Rohs Exemption Information	Yes
⊘	Pvc Free	

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov