Product data sheet

Specification





integrated servo motor - 1.1 Nm - 6000 rpm - without brake

ILM0701P01A0000

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

Price*: 3,377.91 USD

Main

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

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	Untapped
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 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)
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	0.25 kg.cm²
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

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

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	8.35 in (212 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	5.95 lb(US) (2.7 kg)

Environment

Ip Degree Of Protection IP54

Ordering and shipping details

Category	US1PC5218351	
Discount Schedule	PC52	
Gtin	3606485293592	
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	7.28 lb(US) (3.3 kg)
Unit Type Of Package 2	P06
Number Of Units In Package 2	12
Package 2 Height	31.89 in (81.0 cm)
Package 2 Width	23.62 in (60.0 cm)
Package 2 Length	31.50 in (80.0 cm)
Package 2 Weight	114.64 lb(US) (52.0 kg)

Contractual warranty

Warranty 18 months



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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

	Reach Free Of Svhc
②	Mercury Free
⊘	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