Product data sheet

Specifications

integrated servo motor - 8.5 Nm - 1500 rpm - keyed shaft - without brake

ILM1401M11A0000

⚠ **Discontinued on:** Mar 31, 2022

⚠ **To be end-of-service on:** Mar 31, 2025

⚠ **Discontinued - Service only**

Main

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

Complementary

[Us] Rated Supply Voltage	250...700 V
Continuous Stall Current	3.2 A
Continuous Stall Torque	8.5 N.m
Peak Stall Torque	27 N.m
Nominal Output Power	1300 W
Nominal Torque	8.3 N.m
Nominal Speed	1500 rpm
Maximum Current Irms	14.6 A
[In] Rated Current	3.15 A
Shaft End	Keyed
Second Shaft	Without second shaft end
Shaft Diameter	24 mm
Shaft Length	50 mm
Key Width	40 mm
Feedback Type	Absolute single turn SinCos Hiperface
Speed Feedback Resolution	128 periods
Holding Brake	Without
Mounting Support	International standard flange
Motor Flange Size	140 mm
Torque Constant	2.65 N.m/A at 120 °C
Back Emf Constant	175 V/krpm at 20 °C
Number Of Motor Poles	10
Rotor Inertia	7.41 kg.cm²
Stator Resistance	4.58 Ohm at 20 °C for Ph/Ph 3.18 Ohm at 120 °C for Ph/N

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Stator Inductance	50 mH at 20 °C for Ph/Ph
	25 mH at 120 °C for Ph/N
Maximum Radial Force Fr	2210 N at 1000 rpm
	1760 N at 2000 rpm
Maximum Axial Force Fa	0.2 x Fr
Type Of Cooling	Natural convection
Length	254 mm
Number Of Motor Stacks	1
Centring Collar Diameter	130 mm
Centring Collar Depth	3.5 mm
Number Of Mounting Holes	4
Mounting Holes Diameter	11 mm
Circle Diameter Of The Mounting Holes	165 mm
Net Weight	12.5 kg

Environment

Ip Degree Of Protection	IP54

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	26.0 cm
Package 1 Width	20.0 cm
Package 1 Length	59.0 cm
Package 1 Weight	17.93 kg

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Sustainability

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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.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency   RoHS/REACh

Well-being performance

✅ Reach Free Of Svhc

✅ 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