

Product data sheet

Specifications



integrated servo motor - 2.5 Nm -
3000 rpm - keyed shaft - without
brake

ILM1001P11A0000

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 | 1.8 A |
| Continuous Stall Torque | 2.5 N.m |
| Peak Stall Torque | 9.6 N.m |
| Nominal Output Power | 600 W |
| Nominal Torque | 1.9 N.m |
| Nominal Speed | 3000 rpm |
| Maximum Current Irms | 7.4 A |
| [In] Rated Current | 1.4 A |
| Shaft End | Keyed |
| Second Shaft | Without second shaft end |
| Shaft Diameter | 19 mm |
| Shaft Length | 40 mm |
| Key Width | 30 mm |
| Feedback Type | Absolute single turn SinCos Hiperface |
| Speed Feedback Resolution | 128 periods |
| Holding Brake | Without |
| Mounting Support | International standard flange |
| Motor Flange Size | 100 mm |
| Torque Constant | 1.39 N.m/A at 120 °C |
| Back Emf Constant | 90 V/krpm at 20 °C |
| Number Of Motor Poles | 8 |
| Rotor Inertia | 1.4 kg.cm² |
| Stator Resistance | 9.8 Ohm at 20 °C for Ph/Ph 6.82 Ohm at 120 °C for Ph/N |
| Stator Inductance | 45.7 mH at 20 °C for Ph/Ph 22.85 mH at 120 °C for Ph/N |

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

| | |
|---------------------------------------|---|
| Maximum Radial Force Fr | 900 N at 1000 rpm 720 N at 2000 rpm 630 N at 3000 rpm |
| Maximum Axial Force Fa | 0.2 x Fr |
| Type Of Cooling | Natural convection |
| Length | 215 mm |
| Number Of Motor Stacks | 1 |
| Centring Collar Diameter | 95 mm |
| Centring Collar Depth | 3.5 mm |
| Number Of Mounting Holes | 4 |
| Mounting Holes Diameter | 9 mm |
| Circle Diameter Of The Mounting Holes | 115 mm |
| Net Weight | 4.9 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 | 5.53 kg |

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

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

✓ 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 |