

Product data sheet

Specifications



integrated servo motor - 7.5 Nm - 3000 rpm - keyed shaft - with brake

ILM1401P11F0000

⚠ 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 | 4.7 A |
| Continuous Stall Torque | 7.5 N.m |
| Peak Stall Torque | 27 N.m |
| Nominal Output Power | 1450 W |
| Nominal Torque | 4.6 N.m |
| Nominal Speed | 3000 rpm |
| Maximum Current Irms | 18.8 A |
| [In] Rated Current | 2.9 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 | With |
| Holding Torque | 18 N.m holding brake |
| Mounting Support | International standard flange |
| Motor Flange Size | 140 mm |
| Torque Constant | 1.6 N.m/A at 20 °C |
| Back Emf Constant | 108 V/krpm at 20 °C |
| Number Of Motor Poles | 10 |
| Rotor Inertia | 7.41 kg.cm² |
| Stator Resistance | 1.81 Ohm at 20 °C for Ph/Ph 1.26 Ohm 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

| | |
|---------------------------------------|--|
| Stator Inductance | 19.1 mH at 20 °C for Ph/Ph 9.55 mH at 120 °C for Ph/N |
| Maximum Radial Force Fr | 2210 N at 1000 rpm 1760 N at 2000 rpm 1530 N at 3000 rpm |
| Maximum Axial Force Fa | 0.2 x Fr |
| Type Of Cooling | Natural convection |
| Length | 292 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 | 13.8 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 | 14.53 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.

[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 |