Product data sheet

Specifications

integrated servo motor - 1.7 Nm - 6000 rpm - keyed shaft - with brake - IP65

ILM0702P31F0000

⚠ 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	2.5 A
Continuous Stall Torque	1.7 N.m
Peak Stall Torque	7.6 N.m
Nominal Output Power	720 W
Nominal Torque	1.15 N.m
Nominal Speed	6000 rpm
Maximum Current Irms	11.8 A
[In] Rated Current	1.5 A
Shaft End	Keyed
Second Shaft	Without second shaft end
Shaft Diameter	11 mm
Shaft Length	23 mm
Key Width	18 mm
Feedback Type	Absolute single turn SinCos Hiperface
Speed Feedback Resolution	128 periods
Holding Brake	With
Holding Torque	3 N.m holding brake
Mounting Support	International standard flange
Motor Flange Size	70 mm
Torque Constant	0.76 N.m/A at 120 °C
Back Emf Constant	48 V/krpm at 20 °C
Number Of Motor Poles	6
Rotor Inertia	0.51 kg.cm²

Stator Resistance	4.2 Ohm at 20 °C for Ph/Ph
	2.92 Ohm at 120 °C for Ph/N

Stator Inductance	19 mH at 20 °C for Ph/Ph
	9.5 mH at 120 °C for Ph/N

Maximum Radial Force Fr	710 N at 1000 rpm
	560 N at 2000 rpm
	490 N at 3000 rpm
	450 N at 4000 rpm
	410 N at 5000 rpm
	390 N at 6000 rpm

Maximum Axial Force Fa	0.2 x Fr
Type Of Cooling	Natural convection
Length	252 mm
Number Of Motor Stacks	2
Centring Collar Diameter	60 mm
Centring Collar Depth	2.5 mm
Number Of Mounting Holes	4
Mounting Holes Diameter	5.5 mm
Circle Diameter Of The Mounting Holes	82 mm
Net Weight	3.7 kg

Environment

Ip Degree Of Protection	IP65

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	21.0 cm
Package 1 Width	18.0 cm
Package 1 Length	35.6 cm
Package 1 Weight	4.28 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-CO_2 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