Product datasheet

Specifications

Green Premium™

integrated servo motor - 2.2 Nm - 6000 rpm - without brake

ILM0703P01A0000

Discontinued on: 9 Feb 2023

EAN Code: 3606485293912

Discontinued

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 A
Continuous Stall Torque	2.2 N.m
Peak Stall Torque	8.7 N.m
Nominal Output Power	720 W
Nominal Torque	1.15 N.m
Nominal Speed	6000 rpm
Maximum Current Irms	12 A
[In] Rated Current	1.5 A
Shaft End	Untapped
Second Shaft	Without second shaft end
Shaft Diameter	14 mm
Shaft Length	30 mm
Key Width	20 mm
Feedback Type	Absolute single turn SinCos Hiperface
Speed Feedback Resolution	128 periods
Holding Brake	Without
Mounting Support	International standard flange
Motor Flange Size	70 mm
Torque Constant	0.76 N.m/A at 120 °C
Back Emf Constant	49 V/krpm at 20 °C
Number Of Motor Poles	6
Rotor Inertia	0.58 kg.cm²
Stator Resistance	2.7 Ohm at 20 °C for Ph/Ph 1.88 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	13 mH at 20 °C for Ph/Ph 6.5 mH at 120 °C for Ph/N
Maximum Radial Force Fr	730 N at 1000 rpm 580 N at 2000 rpm 510 N at 3000 rpm 460 N at 4000 rpm 430 N at 5000 rpm 400 N at 6000 rpm
Maximum Axial Force Fa	0.2 x Fr
Type Of Cooling	Natural convection
Length	259 mm
Number Of Motor Stacks	3
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	4.2 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	20.0 cm
Package 1 Width	26.0 cm
Package 1 Length	59.0 cm
Package 1 Weight	4.78 kg

Contractual warranty

Warranty	18 months

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