Product datasheet

Specifications

Green Premium™

integrated servo motor - 12.5 Nm - 2000 rpm - multiturn - without brake - IP65

ILM1402P22A0000

Discontinued on: 9 Feb 2023

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	4.8 A
Continuous Stall Torque	12.5 N.m
Peak Stall Torque	55 N.m
Nominal Output Power	1910 W
Nominal Torque	9.1 N.m
Nominal Speed	2000 rpm
Maximum Current Irms	24 A
[In] Rated Current	3.7 A
Shaft End	Untapped
Second Shaft	Without second shaft end
Shaft Diameter	24 mm
Shaft Length	50 mm
Key Width	40 mm
Feedback Type	Absolute multiturn SinCos Hiperface
Speed Feedback Resolution	128 periods
Holding Brake	Without
Mounting Support	International standard flange
Motor Flange Size	140 mm
Torque Constant	2.6 N.m/A at 120 °C
Back Emf Constant	173 V/krpm at 20 °C
Number Of Motor Poles	10
Rotor Inertia	12.68 kg.cm²
Stator Resistance	1.9 Ohm at 20 °C for Ph/Ph 1.32 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	22 mH at 20 °C for Ph/Ph 11 mH at 120 °C for Ph/N
Maximum Radial Force Fr	2430 N at 1000 rpm 1930 N at 2000 rpm
Maximum Axial Force Fa	0.2 x Fr
Type Of Cooling	Natural convection
Length	309 mm
Number Of Motor Stacks	2
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	17.2 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	26.0 cm
Package 1 Width	20.0 cm
Package 1 Length	59.0 cm
Package 1 Weight	23.13 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