

Product datasheet

Specifications



integrated servo motor - 1.7 Nm -
6000 rpm - multiturn - without
brake

ILM0702P02A0000

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	Untapped
Second Shaft	Without second shaft end
Shaft Diameter	11 mm
Shaft Length	23 mm
Key Width	18 mm
Feedback Type	Absolute multiturn 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	48 V/krpm at 20 °C
Number Of Motor Poles	6
Rotor Inertia	0.41 kg.cm ²
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	226 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	3.4 kg

Environment

Ip Degree Of Protection	IP54
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Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	19.5 cm
Package 1 Width	22.5 cm
Package 1 Length	40.0 cm
Package 1 Weight	4.306 kg
Unit Type Of Package 2	P06
Number Of Units In Package 2	12
Package 2 Height	65.0 cm
Package 2 Width	60.0 cm
Package 2 Length	80.0 cm
Package 2 Weight	60.172 kg

Sustainability

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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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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](#)