Product data sheet

Specifications

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

ILM0702P12A0000

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 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.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	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
Product weight	3.4 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	21.0 cm
Package 1 Width	18.0 cm
Package 1 Length	35.6 cm
Package 1 Weight	4.02 kg

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**1**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
EU RoHS Directive	**Pro-active compliance (Product out of EU RoHS legal scope)**
REACh Regulation	**REACh Declaration**
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**
PVC free	**Yes**

Use Again

Repack and remanufacture

End of life manual availability	**End of Life Information**
Take-back	**No**