Product datasheet

Specifications

integrated servo motor - 4.4 Nm - 3000 rpm - keyed shaft - with brake

ILM1002P11F0000

⚠ Discontinued on: 9 Feb 2023

EAN Code: 3606485294285

⚠ 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	2.9 A
Continuous stall torque	4.4 N.m
Peak stall torque	18.3 N.m
Nominal output power	910 W
nominal torque	2.9 N.m
Nominal speed	3000 rpm
Maximum current Irms	13.1 A
[In] rated current	2 A
Shaft end	Keyed
Second shaft	Without second shaft end
Shaft diameter	19 mm
Shaft length	40 mm
key width	30 mm
Feedback type	Absolute single turn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	With
Holding torque	5.5 N.m holding brake
Mounting support	International standard flange
Motor flange size	100 mm
Torque constant	1.52 N.m/A at 120 °C
Back emf constant	100 V/krpm at 20 °C
Number of motor poles	8
Rotor inertia	3.01 kg.cm²
Stator resistance	4.12 Ohm at 20 °C for Ph/Ph 2.86 Ohm at 120 °C for Ph/N

Stator inductance	21.8 mH at 20 °C for Ph/Ph
	10.9 mH at 120 °C for Ph/N
Maximum radial force Fr	990 N at 1000 rpm
	790 N at 2000 rpm
	690 N at 3000 rpm
Maximum axial force Fa	0.2 x Fr
type of cooling	Natural convection
Length	280 mm
Number of motor stacks	2
Centring collar diameter	95 mm
centring collar depth	3.5 mm
Number of mounting holes	4
Mounting holes diameter	9 mm
Circle diameter of the mounting holes	115 mm
Net weight	7.2 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	26.0 cm
Package 1 Width	20.0 cm
Package 1 Length	59.0 cm
Package 1 Weight	8.03 kg

Contractual warranty

Warranty	18 months

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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

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	**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**
PVC free	**Yes**

Use Again

Repack and remanufacture

Circularity Profile	**End of Life Information**
Take-back	**No**