Product datasheet

Specifications

ILM integrated drive, 100mm, 1 stack, smooth Shaft, IP65, SinCos Multiturn 128, Brake

ILM1001P22F0000

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	1.8 A
Continuous stall torque	2.5 N.m
Peak stall torque	9.6 N.m
Nominal output power	600 W
Nominal torque	1.9 N.m
Nominal speed	3000 rpm
Maximum current Irms	7.4 A
[In] rated current	1.4 A
Shaft end	Untapped
Second shaft	Without second shaft end
Shaft diameter	19 mm
Shaft length	40 mm
Key width	30 mm
Feedback type	Absolute multiturn 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	1.39 N.m/A at 120 °C
Back emf constant	90 V/krpm at 20 °C
Number of motor poles	8
Rotor inertia	2.1 kg.cm²
Stator resistance	9.8 Ohm at 20 °C for Ph/Ph 6.82 Ohm at 120 °C for Ph/N

Stator inductance	45.7 mH at 20 °C for Ph/Ph 22.85 mH at 120 °C for Ph/N
Maximum radial force Fr	900 N at 1000 rpm 720 N at 2000 rpm 630 N at 3000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	243 mm
Number of motor stacks	1
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	5.7 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	6.33 kg

Contractual warranty

Warranty (in months)	18

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	**0 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**
Carbon footprint of the manufacturing phase [A1 to A3]	**0 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**0 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0 kg CO2 eq.**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
PVC free	**Yes**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**1**
End of life manual availability	**End of Life Information**
Take-back	**No**