Product datasheet

Specifications

ILM integrated drive, 140mm, 1 stack, keyed Shaft, IP65, SinCos Multiturn 128, Brake

ILM1401P32F0000

Main

Range of product	PacDrive 3
Product or component type	Servo motor integrated drive
Device short name	ILM

Complementary

[Us] rated supply voltage	24 V
Continuous stall current	4.7 A
Continuous stall torque	7.5 N.m
Peak stall torque	27 N.m
Nominal output power	1450 W
Nominal torque	4.6 N.m
Nominal speed	3000 rpm
Maximum current Irms	18.8 A
[In] rated current	2.9 A
Shaft end	Keyed
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	With
Holding torque	18 N.m holding brake
Mounting support	International standard flange
Motor flange size	140 mm
Torque constant	1.6 N.m/A at 120 °C
Back emf constant	108 V/krpm at 20 °C
Number of motor poles	10
Rotor inertia	7.41 kg.cm²
Stator resistance	1.81 Ohm at 20 °C for Ph/Ph 1.26 Ohm at 120 °C for Ph/N

Stator inductance	19.1 mH at 20 °C for Ph/Ph 9.55 mH at 120 °C for Ph/N
Maximum radial force Fr	2210 N at 1000 rpm 1760 N at 2000 rpm 1530 N at 3000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	292 mm
Number of motor stacks	1
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
Product weight	13.8 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	14.53 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	**0.1 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**0.1 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.**
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	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
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	**Yes**