

Product datasheet

Specifications



ILM integrated drive, 140mm, 2 stacks, keyed Shaft, IP65, SinCos Singleturn 128, no Brake

ILM1402P31A0000

⚠ Discontinued on: 30 Aug 2022

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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	4.8 A
Continuous stall torque	12.5 N.m
Peak stall torque	55 N.m
Nominal output power	1910 W
Nominal torque	9.1 N.m
Nominal speed	2000 rpm
Maximum current Irms	24 A
[In] rated current	3.7 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 single turn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	Without
Mounting support	International standard flange
Motor flange size	140 mm
Torque constant	2.6 N.m/A at 20 °C
Back emf constant	173 V/krpm at 20 °C
Number of motor poles	10
Rotor inertia	12.68 kg.cm ²
Stator resistance	1.9 Ohm at 20 °C for Ph/Ph 1.32 Ohm at 120 °C for Ph/N

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Stator inductance	22 mH at 20 °C for Ph/Ph 11 mH at 120 °C for Ph/N
Maximum radial force Fr	2430 N at 1000 rpm 1930 N at 2000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	309 mm
Number of motor stacks	2
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
Net weight	17.2 kg

Environment

IP degree of protection	IP65
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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	23.13 kg

Contractual warranty

Warranty (in months)	18
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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

Total lifecycle Carbon footprint	0.1 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
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.

Use Better



Materials and Substances

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

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

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