


# Product datasheet

Specifications



## integrated servo motor - 7.5 Nm - 3000 rpm - with brake

ILM1401P01F0000

 **Discontinued on:** 9 Feb 2023

**EAN Code:** 3606485294728

 **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	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	Untapped
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	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 20 °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

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	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
Net weight	13.8 kg

## Environment

IP degree of protection	IP54
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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	14.53 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	<a href="#">Product Environmental Profile</a>

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
<a href="#">EU RoHS Directive</a>	Pro-active compliance (Product out of EU RoHS legal scope)
REACH Regulation	<a href="#">REACH Declaration</a>
PVC free	Yes

Use Again

Repack and remanufacture	
Circularity Profile	<a href="#">End of Life Information</a>
Take-back	No