

# Product data sheet

Specifications



## ILM integrated drive, 140mm, 1 stack, smooth Shaft, SinCos Singleturn 128, Brake

ILM1401P01F0000

**Product availability: Non-Stock - Not normally stocked in distribution facility**

### 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	66.4 lbf.in (7.5 N.m)
Peak stall torque	239.0 lbf.in (27 N.m)
Nominal Output Power	1450 W
Nominal torque	40.7 lbf.in (4.6 N.m)
Nominal speed	3000 rpm
Maximum current Irms	18.8 A
Line Rated Current	2.9 A
Shaft end	Untapped
Second shaft	Without second shaft end
Shaft diameter	0.9 in (24 mm)
Shaft length	2.0 in (50 mm)
Key width	1.6 in (40 mm)
Feedback type	Absolute single turn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	With
Holding torque	159.3 lbf.in (18 N.m) holding brake
Mounting Support	International standard flange
Motor flange size	5.5 in (140 mm)
Torque constant	1.6 N.m/A 248 °F (120 °C)
Back emf constant	108 V/krpm 68 °F (20 °C)
Number of motor poles	10
Rotor inertia	7.41 kg.cm <sup>2</sup>
Stator resistance	1.81 Ohm 68 °F (20 °C) Ph/Ph 1.26 Ohm 248 °F (120 °C) Ph/N

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<b>Stator inductance</b>	19.1 mH 68 °F (20 °C) Ph/Ph 9.55 mH 248 °F (120 °C) Ph/N
<b>Maximum radial force Fr</b>	2210 N 1000 rpm 1760 N 2000 rpm 1530 N 3000 rpm
<b>Maximum axial force Fa</b>	0.2 x Fr
<b>Type of cooling</b>	Natural convection
<b>Length</b>	11.5 in (292 mm)
<b>Number of motor stacks</b>	1
<b>Centring collar diameter</b>	5.1 in (130 mm)
<b>Centring collar depth</b>	0.1 in (3.5 mm)
<b>Number of mounting holes</b>	4
<b>Mounting holes diameter</b>	0.4 in (11 mm)
<b>Circle diameter of the mounting holes</b>	6.5 in (165 mm)
<b>Net Weight</b>	30.4 lb(US) (13.8 kg)

## Environment

<b>IP Degree of Protection</b>	IP54
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## Ordering and shipping details

<b>Category</b>	US1PC5218351
<b>Discount Schedule</b>	PC52
<b>GTIN</b>	3606485294728
<b>Returnability</b>	Yes
<b>Country of origin</b>	DE

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	8.307 in (21.100 cm)
<b>Package 1 Width</b>	23.661 in (60.100 cm)
<b>Package 1 Length</b>	10.827 in (27.500 cm)
<b>Package weight(Lbs)</b>	31.689 lb(US) (14.374 kg)

## Contractual warranty

<b>Warranty (in months)</b>	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	<a href="#">Product Environmental Profile</a>
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	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>
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
PVC free	Yes

## Use Longer



### Lifetime extension

Repair	No
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## Use Again



### Repack and remanufacture

Recyclability potential, in %	1
Circularity Profile	<a href="#">End of Life Information</a>
Take-back	No