

# Product data sheet

Specifications



## integrated servo motor - 5.8 Nm - 3000 rpm - multiturn - with brake

ILM1003P02F0000

**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	3.6 A
Continuous stall torque	51.3 lbf.in (5.8 N.m)
Peak stall torque	250.5 lbf.in (28.3 N.m)
Nominal output power	1100 W
nominal torque	31.0 lbf.in (3.5 N.m)
Nominal speed	3000 rpm
Maximum current Irms	21.2 A
Line Rated Current	2.4 A
Shaft end	Untapped
Second shaft	Without second shaft end
Shaft diameter	0.7 in (19 mm)
Shaft length	1.6 in (40 mm)
key width	1.2 in (30 mm)
Feedback type	Absolute multiturn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	With
Holding torque	79.7 lbf.in (9 N.m) holding brake
Mounting Support	International standard flange
Motor flange size	3.9 in (100 mm)
Torque constant	1.61 N.m/A 248 °F (120 °C)
Back emf constant	103 V/krpm 68 °F (20 °C)
Number of motor poles	8
Rotor inertia	3.92 kg.cm <sup>2</sup>
Stator resistance	2.6 Ohm 68 °F (20 °C) Ph/Ph 1.81 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>	15.6 mH 68 °F (20 °C) Ph/Ph 7.8 mH 248 °F (120 °C) Ph/N
<b>Maximum radial force Fr</b>	1050 N 1000 rpm 830 N 2000 rpm 730 N 3000 rpm
<b>Maximum axial force Fa</b>	0.2 x Fr
<b>Type of cooling</b>	Natural convection
<b>Length</b>	12.4 in (315 mm)
<b>Number of motor stacks</b>	3
<b>Centring collar diameter</b>	3.7 in (95 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 (9 mm)
<b>Circle diameter of the mounting holes</b>	4.5 in (115 mm)
<b>Net Weight</b>	19.6 lb(US) (8.9 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>	3606485294421
<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>	8.07 in (20.500 cm)
<b>Package 1 Width</b>	10.43 in (26.500 cm)
<b>Package 1 Length</b>	23.62 in (60.000 cm)
<b>Package weight(Lbs)</b>	22.619 lb(US) (10.260 kg)
<b>Unit Type of Package 2</b>	P06
<b>Number of Units in Package 2</b>	9
<b>Package 2 Height</b>	29.53 in (75.000 cm)
<b>Package 2 Width</b>	31.50 in (80.000 cm)
<b>Package 2 Length</b>	23.62 in (60.000 cm)
<b>Package 2 Weight</b>	221.212 lb(US) (100.340 kg)

## Contractual warranty

<b>Warranty</b>	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 CO2 eq, Total Life cycle) 1

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](#) Pro-active compliance (Product out of EU RoHS legal scope)

REACH Regulation [REACH Declaration](#)

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 [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

PVC free Yes

## Use Again

### Repack and remanufacture

Circularity Profile [End of Life Information](#)

Take-back No