Specifications



# integrated servo motor - 2.5 Nm - 3000 rpm - without brake

ILM1001P01A0000

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

Complementaly		
[Us] rated supply voltage	250700 V	
Continuous stall current	1.8 A	
Continuous stall torque	22.1 lbf.in (2.5 N.m)	
Peak stall torque	85.0 lbf.in (9.6 N.m)	
Nominal Output Power	600 W	
nominal torque	16.8 lbf.in (1.9 N.m)	
Nominal speed	3000 rpm	
Maximum current Irms	7.4 A	
Line Rated Current	1.4 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 single turn SinCos Hiperface	
Speed feedback resolution	128 periods	
Holding brake	Without	
Mounting Support	International standard flange	
Motor flange size	3.9 in (100 mm)	
Torque constant	1.39 N.m/A 248 °F (120 °C)	
Back emf constant	90 V/krpm 68 °F (20 °C)	
Number of motor poles	8	
Rotor inertia	1.4 kg.cm <sup>2</sup>	
Stator resistance	9.8 Ohm 68 °F (20 °C) Ph/Ph 6.82 Ohm 248 °F (120 °C) Ph/N	
Stator inductance	45.7 mH 68 °F (20 °C) Ph/Ph 22.85 mH 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.

Maximum radial force Fr	900 N 1000 rpm 720 N 2000 rpm 630 N 3000 rpm
Maximum axial force Fa	0.2 x Fr
type of cooling	Natural convection
Length	8.5 in (215 mm)
Number of motor stacks	1
Centring collar diameter	3.7 in (95 mm)
centring collar depth	0.1 in (3.5 mm)
Number of mounting holes	4
Mounting holes diameter	0.4 in (9 mm)
Circle diameter of the mounting holes	4.5 in (115 mm)
Net Weight	10.8 lb(US) (4.9 kg)

### Environment

IP Degree of Protection

IP54

## Ordering and shipping details

Category	US1PC5218351
Discount Schedule	PC52
GTIN	3606485294070
Returnability	Yes
Country of origin	US

## **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	10.24 in (26.0 cm)
Package 1 Width	7.87 in (20.0 cm)
Package 1 Length	23.23 in (59.0 cm)
Package 1 Weight	12.19 lb(US) (5.53 kg)

# **Contractual warranty**

Warranty

18 months

# Lenvironmental 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  $\geq$ 

${\mathcal Q}$ 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
PVC free	Yes

#### Use Again

♡ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No