

# integrated servo motor - 2.5 Nm - 3000 rpm - keyed shaft - with brake

ILM1001P11F0000

EAN Code: 3606485294124

## Main

Range of product	PacDrive 3	
Product or component type	Servo motor integrated drive	
Device short name	ILM	

## Complementary

[Us] rated supply voltage	250700 V	
Continuous stall current	1.8 A	
Continuous stall torque	2.5 N.m	
Peak stall torque	9.6 N.m	
Nominal output power	600 W	
nominal torque	1.9 N.m	
Nominal speed	3000 rpm	
Maximum current Irms	7.4 A	
[In] rated current	1.4 A	
Shaft end	Keyed	
Second shaft	Without second shaft end	
Shaft diameter	19 mm	
Shaft length	40 mm	
key width	30 mm	
Feedback type	Absolute single turn SinCos Hiperface	
Speed feedback resolution	128 periods	
Holding brake	With	
Holding torque	5.5 N.m holding brake	
Mounting support	International standard flange	
Motor flange size	100 mm	
Torque constant	1.39 N.m/A at 120 °C	
Back emf constant	90 V/krpm at 20 °C	
Number of motor poles	8	
Rotor inertia	2.1 kg.cm²	
Stator resistance	9.8 Ohm at 20 °C for Ph/Ph 6.82 Ohm at 120 °C for Ph/N	

Stator inductance	45.7 mH at 20 °C for Ph/Ph 22.85 mH at 120 °C for Ph/N	
Maximum radial force Fr	900 N at 1000 rpm 720 N at 2000 rpm 630 N at 3000 rpm	
Maximum axial force Fa	0.2 x Fr	
type of cooling	Natural convection	
Length	243 mm	
Number of motor stacks	1	
Centring collar diameter	95 mm	
centring collar depth	3.5 mm	
Number of mounting holes	4	
Mounting holes diameter	9 mm	
Circle diameter of the mounting holes	115 mm	
Net weight	5.7 kg	

### **Environment**

IP degree of protection IP54

# **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	6.33 kg

## **Logistical informations**

Country of origin DE

# **Contractual warranty**

Warranty 18 months

1 Jul 2025



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 >

<b>⊘</b> Environmental footprint	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	1
Environmental Disclosure	Product Environmental Profile

#### **Use Better**

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
PVC free	Yes

#### **Use Again**

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