# **Product datasheet**





# integrated servo motor - 8.5 Nm -1500 rpm - keyed shaft - multiturnwith brake

ILM1401M12F0000

! Discontinued on: 14 Feb 2023

! Discontinued

EAN Code: 3606485294629

#### 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	3.2 A	
Continuous Stall Torque	8.5 N.m	
Peak Stall Torque	27 N.m	
Nominal Output Power	1300 W	
Nominal Torque	8.3 N.m	
Nominal Speed	1500 rpm	
Maximum Current Irms	14.6 A	
[In] Rated Current	3.15 A	
Shaft End	Keyed	
Second Shaft	Without second shaft end	
Shaft Diameter	24 mm	
Shaft Length	50 mm	
Key Width	40 mm	
Feedback Type	Absolute multiturn 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	2.65 N.m/A at 120 °C	
Back Emf Constant	175 V/krpm at 20 °C	
Number Of Motor Poles	10	
Rotor Inertia	7.41 kg.cm²	
Stator Resistance	4.58 Ohm at 20 °C for Ph/Ph 3.18 Ohm at 120 °C for Ph/N	

Stator Inductance	50 mH at 20 °C for Ph/Ph 25 mH at 120 °C for Ph/N	
Maximum Radial Force Fr	2210 N at 1000 rpm 1760 N at 2000 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

## **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	19.33 kg

## **Contractual warranty**

Warranty 18 months



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Transparency RoHS/REACh

### Well-being performance

<b>⊘</b>	Reach Free Of Svhc	
<b>⊘</b>	Mercury Free	
<b>Ø</b>	Rohs Exemption Information	Yes
<b>⊘</b>	Pvc Free	

#### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information