

# Product datasheet

Specifications



## ILM integrated drive, 140mm, 1 stack, high Torque, smooth Shaft, IP65, SinCos Multiturn 128, no Brake

ILM1401M22A0000

! Discontinued

! Discontinued on: 30 Aug 2022

### 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	3.2 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	Untapped
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	Without
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.cm <sup>2</sup>
Stator resistance	4.58 Ohm at 20 °C for Ph/Ph 3.18 Ohm at 120 °C for Ph/N

<b>Stator inductance</b>	50 mH at 20 °C for Ph/Ph 25 mH at 120 °C for Ph/N
<b>Maximum radial force Fr</b>	2210 N at 1000 rpm 1760 N at 2000 rpm
<b>Maximum axial force Fa</b>	0.2 x Fr
<b>Type of cooling</b>	Natural convection
<b>Length</b>	254 mm
<b>Number of motor stacks</b>	1
<b>Centring collar diameter</b>	130 mm
<b>Centring collar depth</b>	3.5 mm
<b>Number of mounting holes</b>	4
<b>Mounting holes diameter</b>	11 mm
<b>Circle diameter of the mounting holes</b>	165 mm
<b>Net weight</b>	12.5 kg

## Environment

<b>IP degree of protection</b>	IP65
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## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	26.0 cm
<b>Package 1 Width</b>	20.0 cm
<b>Package 1 Length</b>	59.0 cm
<b>Package 1 Weight</b>	17.93 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	No
Packaging without single use plastic	No
PVC free	Yes

## Use Longer



### Lifetime extension

Repair	No
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## Use Again



### Repack and remanufacture

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