

Product data sheet

Specifications



ILM integrated drive, 140mm, 1 stack, high Torque, smooth Shaft, SinCos Multiturn 128, Brake

ILM1401M02F0000

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	3.2 A
Continuous stall torque	75.2 lbf.in (8.5 N.m)
Peak stall torque	239.0 lbf.in (27 N.m)
Nominal Output Power	1300 W
Nominal torque	73.5 lbf.in (8.3 N.m)
Nominal speed	1500 rpm
Maximum current Irms	14.6 A
Line Rated Current	3.15 A
Shaft end	Untapped
Second shaft	Without second shaft end
Shaft diameter	0.9 in (24 mm)
Shaft length	2.0 in (50 mm)
Key width	1.6 in (40 mm)
Feedback type	Absolute multiturn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	With
Holding torque	159.3 lbf.in (18 N.m) holding brake
Mounting Support	International standard flange
Motor flange size	5.5 in (140 mm)
Torque constant	2.65 N.m/A 248 °F (120 °C)
Back emf constant	175 V/krpm 68 °F (20 °C)
Number of motor poles	10
Rotor inertia	7.41 kg.cm ²
Stator resistance	4.58 Ohm 68 °F (20 °C) Ph/Ph 3.18 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.

Stator inductance	50 mH 68 °F (20 °C) Ph/Ph 25 mH 248 °F (120 °C) Ph/N
Maximum radial force Fr	2210 N 1000 rpm 1760 N 2000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	11.5 in (292 mm)
Number of motor stacks	1
Centring collar diameter	5.1 in (130 mm)
Centring collar depth	0.1 in (3.5 mm)
Number of mounting holes	4
Mounting holes diameter	0.4 in (11 mm)
Circle diameter of the mounting holes	6.5 in (165 mm)
Net Weight	30.4 lb(US) (13.8 kg)

Environment

IP Degree of Protection	IP54
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Ordering and shipping details

Category	US1PC5218351
Discount Schedule	PC52
GTIN	3606485294582
Returnability	Yes
Country of origin	DE

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	10.2 in (26.0 cm)
Package 1 Width	7.9 in (20.0 cm)
Package 1 Length	23.2 in (59.0 cm)
Package weight(Lbs)	42.62 lb(US) (19.33 kg)

Contractual warranty

Warranty (in months)	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	Product Environmental Profile
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	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 Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	1
Circularity Profile	End of Life Information
Take-back	No