

Product data sheet

Specifications



integrated servo motor - 7.5 Nm - 3000 rpm - multiturn - without brake

ILM1401P02A0000

**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	24 V
Continuous stall current	4.7 A
Continuous stall torque	66.4 lbf.in (7.5 N.m)
Peak stall torque	239.0 lbf.in (27 N.m)
Nominal Output Power	1450 W
Nominal torque	40.7 lbf.in (4.6 N.m)
Nominal speed	3000 rpm
Maximum current Irms	18.8 A
Line Rated Current	2.9 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	Without
Mounting Support	International standard flange
Motor flange size	5.5 in (140 mm)
Torque constant	1.6 N.m/A 248 °F (120 °C)
Back emf constant	108 V/krpm 68 °F (20 °C)
Number of motor poles	10
Rotor inertia	7.41 kg.cm ²
Stator resistance	1.81 Ohm 68 °F (20 °C) Ph/Ph 1.26 Ohm 248 °F (120 °C) Ph/N
Stator inductance	19.1 mH 68 °F (20 °C) Ph/Ph 9.55 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	2210 N 1000 rpm 1760 N 2000 rpm 1530 N 3000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	10 in (254 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)
Product Weight	27.6 lb(US) (12.5 kg)

Environment

IP Degree of Protection	IP54
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Ordering and shipping details

Category	US1PC5218351
Discount Schedule	PC52
GTIN	3606485294735
Returnability	Yes
Country of origin	DE

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	8.031 in (20.400 cm)
Package 1 Width	10.433 in (26.500 cm)
Package 1 Length	24.016 in (61.000 cm)
Package weight(Lbs)	28.506 lb(US) (12.930 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.
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.
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	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
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