Product data sheet

Specifications



integrated servo motor - 2.2 Nm - 6000 rpm - multiturn - with brake

ILM0703P02F0000

Product availability: Stock - 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	3 A
Continuous stall torque	19.5 lbf.in (2.2 N.m)
Peak stall torque	77.001 lbf.in (8.7 N.m)
Nominal Output Power	720 W
Nominal torque	10.18 lbf.in (1.15 N.m)
Nominal speed	6000 rpm
Maximum current Irms	12 A
Line Rated Current	1.5 A
Shaft end	Untapped
Second shaft	Without second shaft end
Shaft diameter	0.6 in (14 mm)
Shaft length	1.2 in (30 mm)
Key width	0.8 in (20 mm)
Feedback type	Absolute multiturn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	With
Holding torque	26.6 lbf.in (3 N.m) holding brake
Mounting Support	International standard flange
Motor flange size	2.8 in (70 mm)
Torque constant	0.76 N.m/A 248 °F (120 °C)
Back emf constant	49 V/krpm 68 °F (20 °C)
Number of motor poles	6
Rotor inertia	0.88 kg.cm²
Stator resistance	2.7 Ohm 68 °F (20 °C) Ph/Ph 1.88 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.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Stator inductance	13 mH 68 °F (20 °C) Ph/Ph 6.5 mH 248 °F (120 °C) Ph/N
Maximum radial force Fr	730 N 1000 rpm 580 N 2000 rpm 510 N 3000 rpm 460 N 4000 rpm 430 N 5000 rpm 400 N 6000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	11.5 in (293 mm)
Number of motor stacks	3
Centring collar diameter	2.4 in (60 mm)
Centring collar depth	0.10 in (2.5 mm)
Number of mounting holes	4
Mounting holes diameter	0.2 in (5.5 mm)
Circle diameter of the mounting holes	3.2 in (82 mm)
Net Weight	10.4 lb(US) (4.7 kg)

Environment

IP Degree of Protection	IP54

Ordering and shipping details

Category	US1PC5218351
Discount Schedule	PC52
GTIN	3606485293943
Returnability	Yes
Country of origin	DE

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	10.300 in (26.162 cm)
Package 1 Width	7.800 in (19.812 cm)
Package 1 Length	23.400 in (59.436 cm)
Package weight(Lbs)	13.091 lb(US) (5.938 kg)

Contractual warranty

Warranty (in months)	18

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	**3 405 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**51 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.8 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**1 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**3 349 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**4 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
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 Again

Repack and remanufacture

Recyclability potential, in %	**0.8140238421222216**
Circularity Profile	End of Life Information
Take-back	**No**