

Product data sheet

Specifications



integrated servo motor - 8.5 Nm - 1500 rpm - keyed shaft - with brake - IP65

ILM1401M31F0000

⚠ Discontinued - Service only

⚠ Discontinued on: Sep 30, 2023

⚠ End-of-service on: Mar 31, 2025

**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 | Keyed |
| 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 single turn 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 |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

| | |
|--|---|
| Stator resistance | 4.58 Ohm 68 °F (20 °C) Ph/Ph 3.18 Ohm 248 °F (120 °C) Ph/N |
| 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 | IP65 |
|--------------------------------|------|

Ordering and shipping details

| | |
|--------------------------|---------------|
| Category | US1PC5218351 |
| Discount Schedule | PC52 |
| GTIN | 3606485294681 |
| 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 |
|-----------------------------|----|



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 | No |
| 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 |
|--------|----|

Use Again



Repack and remanufacture

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