

Product data sheet

Specifications



integrated servo motor - 2.2 Nm - 6000 rpm - multiturn - without brake

ILM0703P02A0000

**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 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 | Without |
| 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 | 0.58 kg.cm ² |
| Stator resistance | 2.7 Ohm 68 °F (20 °C) Ph/Ph 1.88 Ohm 248 °F (120 °C) Ph/N |
| Stator inductance | 13 mH 68 °F (20 °C) Ph/Ph 6.5 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 | 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 | 10.2 in (259 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 | 9.3 lb(US) (4.2 kg) |

Environment

| | |
|--------------------------------|------|
| IP Degree of Protection | IP54 |
|--------------------------------|------|

Ordering and shipping details

| | |
|--------------------------|---------------|
| Category | US1PC5218351 |
| Discount Schedule | PC52 |
| GTIN | 3606485293936 |
| Returnability | Yes |
| Country of origin | DE |

Packing Units

| | |
|-------------------------------------|--------------------------|
| Unit Type of Package 1 | PCE |
| Nbr. of units in pkg. | 1 |
| Package 1 Height | 7.9 in (20.0 cm) |
| Package 1 Width | 10.4 in (26.5 cm) |
| Package 1 Length | 23.2 in (59.0 cm) |
| Package weight(Lbs) | 12.445 lb(US) (5.645 kg) |
| Unit Type of Package 2 | P06 |
| Number of Units in Package 2 | 8 |
| Package 2 Height | 30.3 in (77.0 cm) |
| Package 2 Width | 31.5 in (80.0 cm) |
| Package 2 Length | 23.6 in (60.0 cm) |
| Package 2 Weight | 118.30 lb(US) (53.66 kg) |

Contractual warranty

| | |
|-----------------|-----------|
| Warranty | 18 months |
|-----------------|-----------|

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

Carbon footprint (kg CO2 eq, Total Life cycle) 1

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](#) 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 Again

Repack and remanufacture

Circularity Profile [End of Life Information](#)

Take-back No