



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 | 2.5 A |
| Continuous stall torque | 1.7 N.m |
| Peak stall torque | 7.6 N.m |
| Nominal output power | 720 W |
| Nominal torque | 1.15 N.m |
| Nominal speed | 6000 rpm |
| Maximum current Irms | 11.8 A |
| [In] rated current | 1.5 A |
| Shaft end | Untapped |
| Second shaft | Without second shaft end |
| Shaft diameter | 11 mm |
| Shaft length | 23 mm |
| Key width | 18 mm |
| Feedback type | Absolute single turn SinCos Hiperface |
| Speed feedback resolution | 128 periods |
| Holding brake | With |
| Holding torque | 3 N.m holding brake |
| Mounting support | International standard flange |
| Motor flange size | 70 mm |
| Torque constant | 0.76 N.m/A at 120 °C |
| Back emf constant | 48 V/krpm at 20 °C |
| Number of motor poles | 6 |
| Rotor inertia | 0.51 kg.cm ² |
| Stator resistance | 4.2 Ohm at 20 °C for Ph/Ph 2.92 Ohm at 120 °C for Ph/N |
| Stator inductance | 19 MH at 20 °C for Ph/Ph 9.5 mH at 120 °C for Ph/N |
| Maximum radial force Fr | 710 N at 1000 rpm 560 N at 2000 rpm 490 N at 3000 rpm 450 N at 4000 rpm 410 N at 5000 rpm 390 N at 6000 rpm |
| Maximum axial force Fa | 0.2 x Fr |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

| | |
|---------------------------------------|--------------------|
| Type of cooling | Natural convection |
| Length | 252 mm |
| Number of motor stacks | 2 |
| Centring collar diameter | 60 mm |
| Centring collar depth | 2.5 mm |
| Number of mounting holes | 4 |
| Mounting holes diameter | 5.5 mm |
| Circle diameter of the mounting holes | 82 mm |
| Net weight | 3.7 kg |

Environment

| | |
|-------------------------|------|
| IP degree of protection | IP65 |
|-------------------------|------|

Packing Units

| | |
|------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 21.0 cm |
| Package 1 Width | 18.0 cm |
| Package 1 Length | 35.6 cm |
| Package 1 Weight | 4.28 kg |

Offer Sustainability

| | |
|----------------------------|--|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS Declaration |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |
| PVC free | Yes |