



Main

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|---------------------------|------------------------------|
| 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 | 1.8 A |
| Continuous stall torque | 2.5 N.m |
| Peak stall torque | 9.6 N.m |
| Nominal output power | 600 W |
| Nominal torque | 1.9 N.m |
| Nominal speed | 3000 rpm |
| Maximum current Irms | 7.4 A |
| [In] rated current | 1.4 A |
| Shaft end | Keyed |
| Second shaft | Without second shaft end |
| Shaft diameter | 19 mm |
| Shaft length | 40 mm |
| Key width | 30 mm |
| Feedback type | Absolute single turn SinCos Hiperface |
| Speed feedback resolution | 128 periods |
| Holding brake | Without |
| Mounting support | International standard flange |
| Motor flange size | 100 mm |
| Torque constant | 1.39 N.m/A at 120 °C |
| Back emf constant | 90 V/krpm at 20 °C |
| Number of motor poles | 8 |
| Rotor inertia | 1.4 kg.cm ² |
| Stator resistance | 9.8 Ohm at 20 °C for Ph/Ph 6.82 Ohm at 120 °C for Ph/N |
| Stator inductance | 45.7 MH at 20 °C for Ph/Ph 22.85 mH at 120 °C for Ph/N |
| Maximum radial force Fr | 900 N at 1000 rpm 720 N at 2000 rpm 630 N at 3000 rpm |
| Maximum axial force Fa | 0.2 x Fr |
| Type of cooling | Natural convection |
| Length | 215 mm |
| Number of motor stacks | 1 |

| | |
|---------------------------------------|--------|
| Centring collar diameter | 95 mm |
| Centring collar depth | 3.5 mm |
| Number of mounting holes | 4 |
| Mounting holes diameter | 9 mm |
| Circle diameter of the mounting holes | 115 mm |
| Net weight | 4.9 kg |





Environment

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|-------------------------|------|
| IP degree of protection | IP54 |
|-------------------------|------|

Packing Units

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|------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 26.0 cm |
| Package 1 Width | 20.0 cm |
| Package 1 Length | 59.0 cm |
| Package 1 Weight | 5.53 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 |