



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 | 4.7 A |
| Continuous stall torque | 7.5 N.m |
| Peak stall torque | 27 N.m |
| Nominal output power | 1450 W |
| Nominal torque | 4.6 N.m |
| Nominal speed | 3000 rpm |
| Maximum current Irms | 18.8 A |
| [In] rated current | 2.9 A |
| Shaft end | Keyed |
| Second shaft | Without second shaft end |
| Shaft diameter | 24 mm |
| Shaft length | 50 mm |
| Key width | 40 mm |
| Feedback type | Absolute multiturn SinCos Hiperface |
| Speed feedback resolution | 128 periods |
| Holding brake | Without |
| Mounting support | International standard flange |
| Motor flange size | 140 mm |
| Torque constant | 1.6 N.m/A at 120 °C |
| Back emf constant | 108 V/krpm at 20 °C |
| Number of motor poles | 10 |
| Rotor inertia | 7.41 kg.cm ² |
| Stator resistance | 1.81 Ohm at 20 °C for Ph/Ph 1.26 Ohm at 120 °C for Ph/N |
| Stator inductance | 19.1 MH at 20 °C for Ph/Ph 9.55 mH at 120 °C for Ph/N |
| Maximum radial force Fr | 2210 N at 1000 rpm 1760 N at 2000 rpm 1530 N at 3000 rpm |
| Maximum axial force Fa | 0.2 x Fr |
| Type of cooling | Natural convection |
| Length | 254 mm |
| Number of motor stacks | 1 |

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| Centring collar diameter | 130 mm |
| Centring collar depth | 3.5 mm |
| Number of mounting holes | 4 |
| Mounting holes diameter | 11 mm |
| Circle diameter of the mounting holes | 165 mm |
| Net weight | 12.5 kg |

Environment

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

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 | 13.13 kg |

Offer Sustainability

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|----------------------------|--|
| 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 |