



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 | 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 | Keyed |
| Second shaft | Without second shaft end |
| Shaft diameter | 11 mm |
| Shaft length | 23 mm |
| Key width | 18 mm |
| Feedback type | Absolute multiturn 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 |

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| 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

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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 | 21.0 cm |
| Package 1 Width | 18.0 cm |
| Package 1 Length | 35.6 cm |
| Package 1 Weight | 4.28 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 |