



## 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             | Without  |
| 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             | 0.41 kg.cm <sup>2</sup>  |
| Stator resistance         | 4.2 Ohm at 20 °C for Ph/Ph<br>2.92 Ohm at 120 °C for Ph/N  |
| Stator inductance         | 19 MH at 20 °C for Ph/Ph<br>9.5 mH at 120 °C for Ph/N  |
| Maximum radial force Fr   | 710 N at 1000 rpm<br>560 N at 2000 rpm<br>490 N at 3000 rpm<br>450 N at 4000 rpm<br>410 N at 5000 rpm<br>390 N at 6000 rpm |
| Maximum axial force Fa    | 0.2 x Fr   |
| Type of cooling           | Natural convection   |

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|                                       |        |
|---------------------------------------|--------|
| Length                                | 226 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                            | 3.4 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             | 4.02 kg |

## Offer Sustainability

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