



## 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  | 4.8 A   |
| Continuous stall torque   | 12.5 N.m  |
| Peak stall torque         | 55 N.m  |
| Nominal output power      | 1910 W  |
| Nominal torque            | 9.1 N.m   |
| Nominal speed             | 2000 rpm  |
| Maximum current Irms      | 24 A  |
| [In] rated current        | 3.7 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           | 2.6 N.m/A at 120 °C                                       |
| Back emf constant         | 173 V/krpm at 20 °C                                       |
| Number of motor poles     | 10  |
| Rotor inertia             | 12.68 kg.cm <sup>2</sup>                                  |
| Stator resistance         | 1.9 Ohm at 20 °C for Ph/Ph<br>1.32 Ohm at 120 °C for Ph/N |
| Stator inductance         | 22 MH at 20 °C for Ph/Ph<br>11 mH at 120 °C for Ph/N      |
| Maximum radial force Fr   | 2430 N at 1000 rpm<br>1930 N at 2000 rpm                  |
| Maximum axial force Fa    | 0.2 x Fr  |
| Type of cooling           | Natural convection  |
| Length                    | 309 mm  |
| Number of motor stacks    | 2   |
| 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                            | 17.2 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             | 26.0 cm  |
| Package 1 Width              | 20.0 cm  |
| Package 1 Length             | 59.0 cm  |
| Package 1 Weight             | 23.13 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   |