



## 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  | 4.7 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 single turn 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 <sup>2</sup>                                        |
| Stator resistance                     | 1.81 Ohm at 20 °C for Ph/Ph<br>1.26 Ohm at 120 °C for Ph/N     |
| Stator inductance                     | 19.1 mH at 20 °C for Ph/Ph<br>9.55 mH at 120 °C for Ph/N       |
| Maximum radial force Fr               | 2210 N at 1000 rpm<br>1760 N at 2000 rpm<br>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                                                              |
| 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                                                         |
| Product weight                        | 12.5 kg                                                        |

## Environment

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

## Offer Sustainability

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

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|