



## 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  | 3.6 A                               |
| Continuous stall torque   | 5.8 N.m                             |
| Peak stall torque         | 28.3 N.m                            |
| Nominal output power      | 1100 W                              |
| Nominal torque            | 3.5 N.m                             |
| Nominal speed             | 3000 rpm                            |
| Maximum current Irms      | 21.2 A                              |
| [In] rated current        | 2.4 A                               |
| Shaft end                 | Keyed                               |
| Second shaft              | Without second shaft end            |
| Shaft diameter            | 19 mm                               |
| Shaft length              | 40 mm                               |
| Key width                 | 30 mm                               |
| Feedback type             | Absolute multiturn SinCos Hiperface |
| Speed feedback resolution | 128 periods                         |
| Holding brake             | Without                             |
| Mounting support          | International standard flange       |
| Motor flange size         | 100 mm                              |
| Torque constant           | 1.61 N.m/A at 120 °C                |
| Back emf constant         | 103 V/krpm at 20 °C                 |
| Number of motor poles     | 8                                   |

|                                       |  |
|---------------------------------------|--|
| Rotor inertia                         | 3.22 kg.cm <sup>2</sup>                                      |
| Stator resistance                     | 2.6 Ohm at 20 °C for Ph/Ph<br>1.81 Ohm at 120 °C for Ph/N    |
| Stator inductance                     | 15.6 mH at 20 °C for Ph/Ph<br>7.8 mH at 120 °C for Ph/N      |
| Maximum radial force Fr               | 1050 N at 1000 rpm<br>830 N at 2000 rpm<br>730 N at 3000 rpm |
| Maximum axial force Fa                | 0.2 x Fr   |
| Type of cooling                       | Natural convection   |
| Length                                | 285 mm   |
| Number of motor stacks                | 3  |
| Centring collar diameter              | 95 mm  |
| Centring collar depth                 | 3.5 mm   |
| Number of mounting holes              | 4  |
| Mounting holes diameter               | 9 mm   |
| Circle diameter of the mounting holes | 115 mm   |
| Product weight                        | 8.1 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 |
|----------|-----------|