



## 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 A                                 |
| Continuous stall torque   | 2.2 N.m                             |
| Peak stall torque         | 8.7 N.m                             |
| Nominal output power      | 720 W                               |
| Nominal torque            | 1.15 N.m                            |
| Nominal speed             | 6000 rpm                            |
| Maximum current Irms      | 12 A                                |
| [In] rated current        | 1.5 A                               |
| Shaft end                 | Untapped                            |
| Second shaft              | Without second shaft end            |
| Shaft diameter            | 14 mm                               |
| Shaft length              | 30 mm                               |
| Key width                 | 20 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         | 49 V/krpm at 20 °C                  |

|                                       |                                                                                                                            |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Number of motor poles                 | 6                                                                                                                          |
| Rotor inertia                         | 0.88 kg.cm <sup>2</sup>                                                                                                    |
| Stator resistance                     | 2.7 Ohm at 20 °C for Ph/Ph<br>1.88 Ohm at 120 °C for Ph/N                                                                  |
| Stator inductance                     | 13 mH at 20 °C for Ph/Ph<br>6.5 mH at 120 °C for Ph/N                                                                      |
| Maximum radial force Fr               | 730 N at 1000 rpm<br>580 N at 2000 rpm<br>510 N at 3000 rpm<br>460 N at 4000 rpm<br>430 N at 5000 rpm<br>400 N at 6000 rpm |
| Maximum axial force Fa                | 0.2 x Fr                                                                                                                   |
| Type of cooling                       | Natural convection                                                                                                         |
| Length                                | 293 mm                                                                                                                     |
| Number of motor stacks                | 3                                                                                                                          |
| 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                                                                                                                      |
| Product weight                        | 4.7 kg                                                                                                                     |

## Environment

|                         |      |
|-------------------------|------|
| IP degree of protection | IP65 |
|-------------------------|------|

## 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 |
|----------|-----------|