



## 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  | 2.9 A                                                       |
| Continuous stall torque   | 4.4 N.m                                                     |
| Peak stall torque         | 18.3 N.m                                                    |
| Nominal output power      | 910 W                                                       |
| Nominal torque            | 2.9 N.m                                                     |
| Nominal speed             | 3000 rpm                                                    |
| Maximum current Irms      | 13.1 A                                                      |
| [In] rated current        | 2 A                                                         |
| Shaft end                 | Untapped                                                    |
| Second shaft              | Without second shaft end                                    |
| Shaft diameter            | 19 mm                                                       |
| Shaft length              | 40 mm                                                       |
| Key width                 | 30 mm                                                       |
| Feedback type             | Absolute single turn SinCos Hiperface                       |
| Speed feedback resolution | 128 periods                                                 |
| Holding brake             | With                                                        |
| Holding torque            | 5.5 N.m holding brake                                       |
| Mounting support          | International standard flange                               |
| Motor flange size         | 100 mm                                                      |
| Torque constant           | 1.52 N.m/A at 120 °C                                        |
| Back emf constant         | 100 V/krpm at 20 °C                                         |
| Number of motor poles     | 8                                                           |
| Rotor inertia             | 3.01 kg.cm <sup>2</sup>                                     |
| Stator resistance         | 4.12 Ohm at 20 °C for Ph/Ph<br>2.86 Ohm at 120 °C for Ph/N  |
| Stator inductance         | 21.8 mH at 20 °C for Ph/Ph<br>10.9 mH at 120 °C for Ph/N    |
| Maximum radial force Fr   | 990 N at 1000 rpm<br>790 N at 2000 rpm<br>690 N at 3000 rpm |
| Maximum axial force Fa    | 0.2 x Fr                                                    |
| Type of cooling           | Natural convection                                          |
| Length                    | 280 mm                                                      |

|                                       |        |
|---------------------------------------|--------|
| Number of motor stacks                | 2      |
| 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 |
| Net weight                            | 7.2 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             | 8.03 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                                                                                                                               |