



## 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  | 1.55 A                                                                                                                     |
| Continuous stall torque   | 1.1 N.m                                                                                                                    |
| Peak stall torque         | 3.5 N.m                                                                                                                    |
| Nominal output power      | 310 W                                                                                                                      |
| Nominal torque            | 0.5 N.m                                                                                                                    |
| Nominal speed             | 6000 rpm                                                                                                                   |
| Maximum current Irms      | 5.7 A                                                                                                                      |
| [In] rated current        | 0.6 A                                                                                                                      |
| Shaft end                 | Keyed                                                                                                                      |
| Second shaft              | Without second shaft end                                                                                                   |
| Shaft diameter            | 11 mm                                                                                                                      |
| Shaft length              | 23 mm                                                                                                                      |
| Key width                 | 18 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           | 0.71 N.m/A at 120 °C                                                                                                       |
| Back emf constant         | 46 V/krpm at 20 °C                                                                                                         |
| Number of motor poles     | 6                                                                                                                          |
| Rotor inertia             | 0.35 kg.cm²                                                                                                                |
| Stator resistance         | 10.4 Ohm at 20 °C for Ph/Ph<br>7.23 Ohm at 120 °C for Ph/N                                                                 |
| Stator inductance         | 38.8 mH at 20 °C for Ph/Ph<br>19.4 mH at 120 °C for Ph/N                                                                   |
| Maximum radial force Fr   | 660 N at 1000 rpm<br>520 N at 2000 rpm<br>460 N at 3000 rpm<br>410 N at 4000 rpm<br>380 N at 5000 rpm<br>360 N at 6000 rpm |
| Maximum axial force Fa    | 0.2 x Fr                                                                                                                   |

|                                       |                    |
|---------------------------------------|--------------------|
| Type of cooling                       | Natural convection |
| Length                                | 219 mm             |
| Number of motor stacks                | 1                  |
| 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              |
| Net weight                            | 3 kg               |

## Environment

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

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Height             | 21.0 cm |
| Package 1 Width              | 18.0 cm |
| Package 1 Length             | 35.6 cm |
| Package 1 Weight             | 3.59 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                                                        |