



## 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 I <sub>rms</sub> | 12 A                                                                                                                       |
| [I <sub>n</sub> ] 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 single turn SinCos Hiperface                                                                                      |
| Speed feedback resolution        | 128 periods                                                                                                                |
| Holding brake                    | Without                                                                                                                    |
| 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                    | 0.58 kg.cm <sup>2</sup>                                                                                                    |
| Stator resistance                | 1.88 Ohm at 120 °C for Ph/N<br>2.7 Ohm at 20 °C for Ph/Ph                                                                  |
| Stator inductance                | 6.5 mH at 120 °C for Ph/N<br>13 mH at 20 °C for Ph/Ph                                                                      |
| Maximum radial force Fr          | 400 N at 6000 rpm<br>430 N at 5000 rpm<br>460 N at 4000 rpm<br>510 N at 3000 rpm<br>580 N at 2000 rpm<br>730 N at 1000 rpm |
| Maximum axial force Fa           | 0.2 x Fr                                                                                                                   |
| Type of cooling                  | Natural convection                                                                                                         |
| Length                           | 259 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                        | 4.2 kg |

## Environment

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

## Offer Sustainability

|                          |                           |
|--------------------------|---------------------------|
| Sustainable offer status | Not Green Premium product |
|--------------------------|---------------------------|