



### 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	Without
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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Rotor inertia	0.25 kg.cm <sup>2</sup>
Stator resistance	10.4 Ohm at 20 °C for Ph/Ph 7.23 Ohm at 120 °C for Ph/N
Stator inductance	38.8 mH at 20 °C for Ph/Ph 19.4 mH at 120 °C for Ph/N
Maximum radial force Fr	360 N at 6000 rpm 380 N at 5000 rpm 410 N at 4000 rpm 460 N at 3000 rpm 520 N at 2000 rpm 660 N at 1000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	212 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
Product weight	2.7 kg

## Environment

IP degree of protection	IP54
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## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1235 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available <a href="#">Product Environmental Profile</a>
Product end of life instructions	Available <a href="#">End of Life Information</a>