



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	4.7 A
Continuous stall torque	7.5 N.m
Peak stall torque	27 N.m
Nominal output power	1450 W
Nominal torque	4.6 N.m
Nominal speed	3000 rpm
Maximum current Irms	18.8 A
[In] rated current	2.9 A
Shaft end	Untapped
Second shaft	Without second shaft end
Shaft diameter	24 mm
Shaft length	50 mm
Key width	40 mm
Feedback type	Absolute single turn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	With
Holding torque	18 N.m holding brake
Mounting support	International standard flange
Motor flange size	140 mm
Torque constant	1.6 N.m/A at 120 °C
Back emf constant	108 V/krpm at 20 °C

Number of motor poles	10
Rotor inertia	7.41 kg.cm ²
Stator resistance	1.81 Ohm at 20 °C for Ph/Ph 1.26 Ohm at 120 °C for Ph/N
Stator inductance	19.1 mH at 20 °C for Ph/Ph 9.55 mH at 120 °C for Ph/N
Maximum radial force Fr	2210 N at 1000 rpm 1760 N at 2000 rpm 1530 N at 3000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	292 mm
Number of motor stacks	1
Centring collar diameter	130 mm
Centring collar depth	3.5 mm
Number of mounting holes	4
Mounting holes diameter	11 mm
Circle diameter of the mounting holes	165 mm
Product weight	13.8 kg

Environment

IP degree of protection	IP54
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Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

Warranty	18 months
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