



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	9.74 lbf.in (1.1 N.m)
Peak stall torque	30.98 lbf.in (3.5 N.m)
Nominal Output Power	310 W
Nominal torque	4.43 lbf.in (0.5 N.m)
Nominal speed	6000 rpm
Maximum current Irms	5.7 A
Line Rated Current	0.6 A
Shaft end	Untapped
Second shaft	Without second shaft end
Shaft diameter	0.43 in (11 mm)
Shaft length	0.91 in (23 mm)
Key width	0.71 in (18 mm)
Feedback type	Absolute single turn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	With
Holding torque	26.55 lbf.in (3 N.m) holding brake
Mounting Support	International standard flange
Motor flange size	2.76 in (70 mm)
Torque constant	0.71 N.m/A 248 °F (120 °C)
Back emf constant	46 V/krpm 68 °F (20 °C)
Number of motor poles	6
Rotor inertia	0.35 kg.cm ²
Stator resistance	10.4 Ohm 68 °F (20 °C) Ph/Ph 7.23 Ohm 248 °F (120 °C) Ph/N
Stator inductance	38.8 MH 68 °F (20 °C) Ph/Ph 19.4 mH 248 °F (120 °C) Ph/N
Maximum radial force Fr	660 N 1000 rpm 520 N 2000 rpm 460 N 3000 rpm 410 N 4000 rpm 380 N 5000 rpm 360 N 6000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection

Length	8.62 in (219 mm)
Number of motor stacks	1
Centring collar diameter	2.36 in (60 mm)
Centring collar depth	0.10 in (2.5 mm)
Number of mounting holes	4
Mounting holes diameter	0.22 in (5.5 mm)
Circle diameter of the mounting holes	3.23 in (82 mm)
Net Weight	6.61 lb(US) (3 kg)

Environment

IP Degree of Protection	IP54
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Ordering and shipping details

Category	18351-PACDRIVE3 INTEGRATED DRIVES
Discount Schedule	PC52
GTIN	3606485293608
Returnability	No
Country of origin	DE

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.27 in (21.0 cm)
Package 1 Width	7.09 in (18.0 cm)
Package 1 Length	14.02 in (35.6 cm)
Package 1 Weight	7.91 lb(US) (3.59 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
PVC free	Yes

Contractual warranty

Warranty	18 months
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