

Product data sheet

Characteristics

ILM0702P02F0000

integrated servo motor - 1.7 Nm - 6000 rpm -
multiturn - with brake



Price* : 3,028.81 USD



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	2.5 A
Continuous stall torque	15.05 lbf.in (1.7 N.m)
Peak stall torque	67.27 lbf.in (7.6 N.m)
Nominal output power	720 W
Nominal torque	10.18 lbf.in (1.15 N.m)
Nominal speed	6000 rpm
Maximum current Irms	11.8 A
Line Rated Current	1.5 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 multiturn 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)

* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Torque constant	0.76 N.m/A 248 °F (120 °C)
Back emf constant	48 V/krpm 68 °F (20 °C)
Number of motor poles	6
Rotor inertia	0.51 kg.cm ²
Stator resistance	4.2 Ohm 68 °F (20 °C) Ph/Ph 2.92 Ohm 248 °F (120 °C) Ph/N
Stator inductance	19 mH 68 °F (20 °C) Ph/Ph 9.5 mH 248 °F (120 °C) Ph/N
Maximum radial force Fr	710 N 1000 rpm 560 N 2000 rpm 490 N 3000 rpm 450 N 4000 rpm 410 N 5000 rpm 390 N 6000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	9.92 in (252 mm)
Number of motor stacks	2
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	8.16 lb(US) (3.7 kg)

Environment

IP degree of protection	IP54
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Ordering and shipping details

Category	18351-PACDRIVE3 INTEGRATED DRIVES
Discount Schedule	PC52
GTIN	03606485293783
Nbr. of units in pkg.	1
Package weight(Lbs)	9.44 lb(US) (4.28 kg)
Returnability	No
Country of origin	DE

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	8.27 in (21 cm)
Package 1 width	7.09 in (18 cm)
Package 1 Length	14.02 in (35.6 cm)

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) 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
PVC free	Yes

Contractual warranty

Warranty	18 months
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