

integrated servo motor - 5.8 Nm - 3000 rpm - keyed shaft - without brake

ILM1003P11A0000

EAN Code: 3606485294438

Main

Range of product	PacDrive 3	
Product or component type	Servo motor integrated drive	
Device short name	ILM	

Complementary

[Us] rated supply voltage	250700 V	
Continuous stall current	3.6 A	
Continuous stall torque	5.8 N.m	
Peak stall torque	28.3 N.m	
Nominal output power	1100 W	
nominal torque	3.5 N.m	
Nominal speed	3000 rpm	
Maximum current Irms	21.2 A	
[In] rated current	2.4 A	
Shaft end	Keyed	
Second shaft	Without second shaft end	
Shaft diameter	19 mm	
Shaft length	40 mm	
key width	30 mm	
Feedback type	Absolute single turn SinCos Hiperface	
Speed feedback resolution	128 periods	
Holding brake	Without	
Mounting support	International standard flange	
Motor flange size	100 mm	
Torque constant	1.61 N.m/A at 120 °C	
Back emf constant	103 V/krpm at 20 °C	
Number of motor poles	8	
Rotor inertia	3.22 kg.cm²	
Stator resistance	2.6 Ohm at 20 °C for Ph/Ph 1.81 Ohm at 120 °C for Ph/N	
Stator inductance	15.6 mH at 20 °C for Ph/Ph 7.8 mH at 120 °C for Ph/N	

Maximum radial force Fr	1050 N at 1000 rpm 830 N at 2000 rpm 730 N at 3000 rpm
Maximum axial force Fa	0.2 x Fr
type of cooling	Natural convection
Length	285 mm
Number of motor stacks	3
Centring collar diameter	95 mm
centring collar depth	3.5 mm
Number of mounting holes	4
Mounting holes diameter	9 mm
Circle diameter of the mounting holes	115 mm
Net weight	8.1 kg

Environment

IP degree of protection IP54

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	20.000 cm
Package 1 Width	26.000 cm
Package 1 Length	59.000 cm
Package 1 Weight	9.460 kg
Unit Type of Package 2	P12
Number of Units in Package 2	6
Package 2 Height	45.000 cm
Package 2 Width	80.000 cm
Package 2 Length	120.000 cm
Package 2 Weight	68.760 kg

Logistical informations

Country of origin D

Contractual warranty

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

⊘ Environmental footprint	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	1
Environmental Disclosure	Product Environmental Profile

Use Better

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration
PVC free	Yes

Use Again

○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No