Product datasheet

Specifications





servo motor SH3 055 1,05Nm,key,single,nobrake, 90°conn.IP54/IP65,9k RPM

SH30553P11A2000

Main

Range Compatibility	PacDrive 3
Product Or Component Type	Servo motor
Device Short Name	SH3P

Complementary

Maximum Mechanical Speed	9000 rpm
[Us] Rated Supply Voltage	115480 V
Network Number Of Phases	Three phase
Continuous Stall Current	1.7 A
Continuous Stall Torque	1.05 N.m at 115480 V three phase
Continuous Power	680 W
Peak Stall Torque	3.5 N.m at 115480 V three phase
Nominal Output Power	240 W at 115 V single phase 460 W at 230 V single phase 880 W at 400 V three phase 970 W at 480 V three phase
Nominal Torque	1.13 N.m at 115 V single phase 1.1 N.m at 230 V single phase 0.81 N.m at 400 V three phase 0.81 N.m at 480 V three phase
Nominal Speed	4000 rpm at 230 V single phase 9000 rpm at 480 V three phase 2000 rpm at 115 V single phase 8000 rpm at 400 V three phase
Maximum Current Irms	6.5 A
Shaft End	Parallel key
Shaft Diameter	9 mm
Shaft Length	20 mm
Key Width	3 mm
Ip Degree Of Protection	IP54 shaft bushing without shaft seal ring: conforming to EN/IEC 60034-5 IP65 motor: conforming to EN/IEC 60034-5 IP65 shaft bushing: conforming to EN/IEC 60034-5
Encoder Type	Absolute single turn SinCos Hiperface
Speed Feedback Resolution	128 periods
Holding Brake	Without
Mounting Support	International standard flange
Motor Flange Size	55 mm

Electrical Connection	Rotatable right angled connector
Torque Constant	0.62 N.m/A at 120 °C
Back Emf Constant	41 V/krpm at 20 °C
Number Of Motor Poles	3
Rotor Inertia	0.134 kg.cm ²
Stator Resistance	10.4 Ohm
Stator Inductance	37.98 mH
Maximum Radial Force Fr	190 N at 8000 rpm 390 N at 1000 rpm 310 N at 2000 rpm 270 N at 3000 rpm 240 N at 4000 rpm 230 N at 5000 rpm 210 N at 6000 rpm 200 N at 7000 rpm
Maximum Axial Force Fa	40 N
Type Of Cooling	Natural convection
Length	176.5 mm
Centring Collar Diameter	40 mm
Centring Collar Depth	2 mm
Number Of Mounting Holes	4
Mounting Holes Diameter	5.5 mm
Circle Diameter Of The Mounting Holes	63 mm
Net Weight	1.8 kg

Packing Units

-	
Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	11.5 cm
Package 1 Width	19.0 cm
Package 1 Length	39.5 cm
Package 1 Weight	2.2 kg

Contractual warranty

Warranty

18 months

Sustainability Screen

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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Mercury Free
Rohs Exemption Information Yes
Pvc Free

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	No need of specific recycling operations