# **Product datasheet**





## servo motor SH3 055 0,8Nm,key,single,brake, 90°conn.IP65/IP67,9k RPM

SH30552P11F2200

! Discontinued on: 7 Aug 2023

① Discontinued

#### Main

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

### Complementary

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Maximum Mechanical Speed	9000 rpm
[Us] Rated Supply Voltage	115480 V
Network Number Of Phases	Three phase
Continuous Stall Current	1.2 A
Continuous Stall Torque	0.71 N.m at 115480 V three phase
Continuous Power	530 W
Peak Stall Torque	2.5 N.m at 115480 V three phase
Nominal Output Power	160 W at 115 V single phase 310 W at 230 V single phase 600 W at 400 V three phase 670 W at 480 V three phase
Nominal Torque	0.77 N.m at 115 V single phase 0.75 N.m at 230 V single phase 0.63 N.m at 400 V three phase 0.63 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	4.8 A
Shaft End	Parallel key
Shaft Diameter	9 mm
Shaft Length	20 mm
Key Width	3 mm
Ip Degree Of Protection	IP65 motor: conforming to EN/IEC 60034-5 IP65 shaft bushing: conforming to EN/IEC 60034-5 IP67 housing: conforming to EN/IEC 60034-5
Encoder Type	Absolute single turn SinCos Hiperface
Speed Feedback Resolution	128 periods
Holding Brake	With
Holding Torque	0.8 N.m

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Mounting Support	International standard flange
Motor Flange Size	55 mm
Electrical Connection	Rotatable right angled connector
Torque Constant	0.59 N.m/A at 120 °C
Back Emf Constant	40 V/krpm at 20 °C
Number Of Motor Poles	3
Rotor Inertia	0.117 kg.cm²
Stator Resistance	17.4 Ohm
Stator Inductance	53.54 mH
Maximum Radial Force Fr	370 N at 1000 rpm 290 N at 2000 rpm 260 N at 3000 rpm 230 N at 4000 rpm 220 N at 5000 rpm 200 N at 6000 rpm 190 N at 7000 rpm 190 N at 8000 rpm
Maximum Axial Force Fa	40 N
Type Of Cooling	Natural convection
Length	181 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	1.6 kg

### **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Weight	1.497 kg

### **Contractual warranty**

Warranty 18 months



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Transparency RoHS/REACh

#### Well-being performance

Mercury Free	
Rohs Exemption Information	Yes
Pvc Free	

#### **Certifications & Standards**

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