# **Product datasheet**

Specification





## servo motor SH3 070, 2,94Nm, no key,multi, brake, 90°conn, IP54, IP65, 8k RPM

SH30703P02F2000

#### Main

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

### Complementary

• ompromontary	
Maximum Mechanical Speed	8000 rpm
[Us] Rated Supply Voltage	115480 V
Network Number Of Phases	Three phase
Continuous Stall Current	4.1 A
Continuous Stall Torque	2.94 N.m at 115480 V three phase
Continuous Power	1330 W
Peak Stall Torque	11.3 N.m at 115480 V three phase
Nominal Output Power	460 W at 115 V single phase
	880 W at 230 V single phase
	1450 W at 400 V three phase
	1550 W at 480 V three phase
Nominal Torque	2 05 N m at 445 V single phase
Nominal Torque	2.95 N.m at 115 V single phase
	2.8 N.m at 230 V single phase
	2.1 N.m at 400 V three phase
	2.1 N.m at 480 V three phase
Nominal Speed	1500 rpm at 115 V single phase
	3000 rpm at 230 V single phase
	6000 rpm at 400 V three phase
	7200 rpm at 480 V three phase
Maximum Current Irms	17 A
Shaft End	Smooth shaft
Shaft Diameter	14 mm
Shaft Length	30 mm
Ip Degree Of Protection	IP54 shaft bushing without shaft seal ring: conforming to IEC 60034-5
0. 00 0	IP65 motor: conforming to IEC 60034-5
	IP65 shaft bushing: conforming to IEC 60034-5
	1F03 Shalt bushing. Comorning to IEC 00034-3
Encoder Type	Absolute multiturn SinCos Hiperface
Speed Feedback Resolution	128 periods
Holding Brake	With
Holding Torque	3 N.m
Mounting Support	International standard flange
Motor Flange Size	70 mm

<b>Electrical Connection</b>	Straight connector
Torque Constant	0.72 N.m/A at 120 °C
Back Emf Constant	49 V/krpm at 20 °C
Number Of Motor Poles	3
Rotor Inertia	0.807 kg.cm²
Stator Resistance	2.7 Ohm
Stator Inductance	20.3 mH
Maximum Radial Force Fr	730 N at 1000 rpm 580 N at 2000 rpm 510 N at 3000 rpm 460 N at 4000 rpm 430 N at 5000 rpm 400 N at 6000 rpm
Maximum Axial Force Fa	80 N
Type Of Cooling	Natural convection
Length	254 mm
Centring Collar Diameter	60 mm
Centring Collar Depth	2.5 mm
Number Of Mounting Holes	4
Mounting Holes Diameter	5.5 mm
Circle Diameter Of The Mounting Holes	82 mm
Net Weight	3.8 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	39.5 cm
Package 1 Length	19.0 cm
Package 1 Weight	4.448 kg
Unit Type Of Package 2	P06
Number Of Units In Package 2	18
Package 2 Height	45 cm
Package 2 Width	80 cm
Package 2 Length	60 cm
Package 2 Weight	89.014 kg

### **Contractual warranty**

Warranty 18 months



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Guide to assess a product's sustainability >





Transparency RoHS/REACh

#### Well-being performance



#### **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