

# Product data sheet

Specifications



servo motor SH3 040 0,21Nm,no  
key,multi,no brake,90°conn,IP54/  
IP65,9k RPM

SH30401P07A2000

## Main

Range Compatibility	PacDrive 3
Product Or Component Type	Servo motor
Device Short Name	SH3.....P

## Complementary

Maximum Mechanical Speed	9000 rpm
[Us] Rated Supply Voltage	115...480 V
Network Number Of Phases	Three phase
Continuous Stall Current	1.12 A
Continuous Stall Torque	0.21 N.m at 115...480 V three phase
Continuous Power	170 W
Peak Stall Torque	0.75 N.m at 480 V three phase
Nominal Output Power	77 W at 115 V single phase 77 W at 230 V single phase 166 W at 400 V three phase 166 W at 480 V three phase
Nominal Torque	0.176 N.m at 115 V single phase 0.176 N.m at 230 V single phase 0.184 N.m at 400 V three phase 0.184 N.m at 480 V three phase
Nominal Speed	4000 rpm at 115 V single phase 4000 rpm at 230 V single phase 9000 rpm at 400 V three phase 9000 rpm at 480 V three phase
Maximum Current Irms	4.5 A
Shaft End	Smooth shaft
Shaft Diameter	8 mm
Shaft Length	25 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 multiturn SinCos Hiperface
Speed Feedback Resolution	16 periods
Holding Brake	Without
Mounting Support	International standard flange
Motor Flange Size	40 mm
Electrical Connection	Straight connector

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Torque Constant	0.19 N.m/A at 120 °C
Back Emf Constant	13.6 V/krpm at 20 °C
Number Of Motor Poles	5
Rotor Inertia	0.0232 kg.cm <sup>2</sup>
Stator Resistance	17.2 Ohm
Stator Inductance	14.6 mH
Type Of Cooling	Natural convection
Length	73.4 mm
Centring Collar Diameter	30 mm
Centring Collar Depth	2.5 mm
Number Of Mounting Holes	4
Mounting Holes Diameter	4.5 mm
Circle Diameter Of The Mounting Holes	46 mm
Net Weight	0.4 kg

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	11.0 cm
Package 1 Width	17.0 cm
Package 1 Length	24.0 cm
Package 1 Weight	627.0 g

## Sustainability

**Green Premium™** label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

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

[Learn more about Green Premium >](#)

[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	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
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
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>