Product data sheet

Specifications

servo motor SH3 205 94,4Nm,key,multi,brake,str.conn,IP65/IP65,3.8k RPM

SH32053P12F1100

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 7,962.00 USD

Main

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

Complementary

Maximum Mechanical Speed	3800 rpm
[Us] Rated Supply Voltage	115...480 V
Phase	Three phase
Continuous Stall Current	33.2 A
Continuous Stall Torque	835.51 lbf.in (94.4 N.m) 115...480 V three phase
Continuous Power	10600 W
Peak Stall Torque	2920.74 lbf.in (330 N.m) 115...480 V three phase
Nominal Output Power	4450 W 115 V single phase 7790 W 230 V single phase 10620 W 400 V three phase 10100 W 480 V three phase
Nominal Torque	751.43 lbf.in (84.9 N.m) 115 V single phase 658.49 lbf.in (74.4 N.m) 230 V single phase 448.73 lbf.in (50.7 N.m) 400 V three phase 355.80 lbf.in (40.2 N.m) 480 V three phase
Nominal Speed	500 rpm 115 V single phase 1000 rpm 230 V single phase 2000 rpm 400 V three phase 2400 rpm 480 V three phase
Maximum Current Irms	136.1 A
Shaft End	Parallel key
Shaft Diameter	1.50 in (38 mm)
Shaft Length	3.15 in (80 mm)
Key Width	0.39 in (10 mm)
Ip Degree Of Protection	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	128 periods
Holding Brake	With
Holding Torque	708.06 lbf.in (80 N.m)

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Mounting Support	International standard flange
Motor Flange Size	8.07 in (205 mm)
Electrical Connection	Rotatable right angled connector
Torque Constant	2.76 N.m/A 248 °F (120 °C)
Back Emf Constant	172 V/krpm 68 °F (20 °C)
Number Of Motor Poles	5
Rotor Inertia	206 kg.cm²
Stator Resistance	0.2 Ohm
Stator Inductance	6.3 mH
Maximum Radial Force Fr	4500 N 1000 rpm 3570 N 2000 rpm 3120 N 3000 rpm
Maximum Axial Force Fa	740 N
Type Of Cooling	Natural convection
Length	21.20 in (538.5 mm)
Centring Collar Diameter	7.09 in (180 mm)
Centring Collar Depth	0.16 in (4 mm)
Number Of Mounting Holes	4
Mounting Holes Diameter	0.55 in (14 mm)
Circle Diameter Of The Mounting Holes	8.46 in (215 mm)
Net Weight	155.65 lb(US) (70.6 kg)

Ordering and shipping details

Category	US1PC5218359
Discount Schedule	PC52
Gtin	3606481973757
Returnability	No
Country Of Origin	US

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Weight	147.40 lb(US) (66.86 kg)

Contractual warranty

Warranty	18 months

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_2 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	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
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 www.P65Warnings.ca.gov