Product data sheet

Specification





servo motor SH3 070 2,04Nm,nokey,multi,brake, 90°conn.IP54/IP65,8k RPM

SH30702P02F2000

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

Price*: 1,814.62 USD

Main

Range Compatibility	PacDrive 3
Device short name	SH3P
Product or Component Type	Servo motor

Complementary

Maximum mechanical speed	8000 rpm
[Us] rated supply voltage	115480 V
Phase	Three phase
Continuous stall current	2.9 A
Continuous stall torque	18.06 lbf.in (2.04 N.m) 115480 V three phase
Continuous power	1130 W
Peak stall torque	67.3 lbf.in (7.6 N.m) 115480 V three phase
Nominal output power	340 W 115 V single phase 660 W 230 V single phase 1190 W 400 V three phase 1360 W 480 V three phase
Nominal torque	19.03 lbf.in (2.15 N.m) 115 V single phase 18.6 lbf.in (2.1 N.m) 230 V single phase 15.9 lbf.in (1.8 N.m) 400 V three phase 15.9 lbf.in (1.8 N.m) 480 V three phase
Nominal speed	1500 rpm 115 V single phase 3000 rpm 230 V single phase 6000 rpm 400 V three phase 7200 rpm 480 V three phase
Maximum current Irms	11.8 A
Shaft end	Smooth shaft
Shaft diameter	0.4 in (11 mm)
Shaft length	0.9 in (23 mm)
IP degree of protection	IP54 shaft bushing without shaft seal ring: conforming to IEC 60034-5 IP65 motor: conforming to IEC 60034-5 IP65 shaft bushing: conforming to IEC 60034-5
Encoder type	Absolute multiturn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	With
Holding torque	26.6 lbf.in (3 N.m)

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

Mounting Support	nting Support International standard flange	
Motor flange size	2.8 in (70 mm)	
Electrical Connection	Straight connector	
Torque constant	0.7 N.m/A 248 °F (120 °C)	
Back emf constant	48 V/krpm 68 °F (20 °C)	
Number of motor poles	3	
Rotor inertia	0.482 kg.cm²	
Stator resistance	4.2 Ohm	
Stator inductance	29.65 mH	
Maximum radial force Fr	710 N 1000 rpm 560 N 2000 rpm 490 N 3000 rpm 450 N 4000 rpm 410 N 5000 rpm 390 N 6000 rpm	
Maximum axial force Fa	80 N	
Type of cooling	Natural convection	
Length	8.4 in (212.5 mm)	
Centring collar diameter	2.4 in (60 mm)	
Centring collar depth	0.10 in (2.5 mm)	
Number of mounting holes	4	
Mounting holes diameter	0.2 in (5.5 mm)	
Circle diameter of the mounting holes	3.2 in (82 mm)	
Net Weight	6.6 lb(US) (3 kg)	

Ordering and shipping details

Category	US1PC5218359	
Discount Schedule	PC52	
GTIN	3606485295992	
Returnability	No	
Country of origin	US	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.5 in (11.5 cm)
Package 1 Width	15.6 in (39.5 cm)
Package 1 Length	7.5 in (19.0 cm)
Package 1 Weight	8.2 lb(US) (3.7 kg)
Unit Type of Package 2	S04
Number of Units in Package 2	3
Package 2 Height	11.8 in (30.0 cm)
Package 2 Width	15.7 in (40.0 cm)

Package 2 Length	23.6 in (60.0 cm)	
Package 2 Weight	26.5 lb(US) (12.0 kg)	
Unit Type of Package 3	P06	
Number of Units in Package 3	9	
Package 3 Height	17.7 in (45.0 cm)	
Package 3 Width	23.6 in (60.0 cm)	
Package 3 Length	31.5 in (80.0 cm)	
Package 3 Weight	92.6 lb(US) (42.0 kg)	

Contractual warranty

Warranty 18 months

Sustainability Green Premium

Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ 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

②	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"