

### servo motor SH3 055 1,05Nm,nokey,multi,brake, 90°conn.IP54/IP65,9k RPM

SH30553P02F2000

Product availability: Stock - Normally stocked in distribution facility

#### Main

Range Compatibility	PacDrive 3
Device short name	SH3
Product or Component Type	Servo motor

### Complementary

Maximum mechanical speed	9000 rpm	
[Us] rated supply voltage	115480 V	
Phase	Three phase	
Continuous stall current	1.7 A	
Continuous stall torque	9.29 lbf.in (1.05 N.m) 115480 V three phase	
Continuous power	680 W	
Peak stall torque	31.0 lbf.in (3.5 N.m) 115480 V three phase	
Nominal output power	240 W 115 V single phase 460 W 230 V single phase 880 W 400 V three phase 970 W 480 V three phase	
Nominal torque	10.001 lbf.in (1.13 N.m) 115 V single phase 9.7 lbf.in (1.1 N.m) 230 V single phase 7.17 lbf.in (0.81 N.m) 400 V three phase 7.17 lbf.in (0.81 N.m) 480 V three phase	
Nominal speed	2000 rpm 115 V single phase 4000 rpm 230 V single phase 8000 rpm 400 V three phase 8000 rpm 480 V three phase	
Maximum current Irms	6.5 A	
Shaft end	Smooth shaft	
Shaft diameter	0.4 in (9 mm)	
Shaft length	0.8 in (20 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	7.08 lbf.in (0.8 N.m)	
Mounting Support	International standard flange	
Motor flange size	2.2 in (55 mm)	

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

Electrical Connection	Rotatable right angled connector	
Torque constant	0.62 N.m/A 248 °F (120 °C)	
Back emf constant	41 V/krpm 68 °F (20 °C)	
Number of motor poles	3.0	
Rotor inertia	0.155 kg.cm <sup>2</sup>	
Stator resistance	10.4 Ohm	
Stator inductance	13.02 mH	
Maximum radial force Fr	190 N 8000 rpm 390 N 1000 rpm 310 N 2000 rpm	
	270 N 3000 rpm 240 N 4000 rpm 230 N 5000 rpm 210 N 6000 rpm	
Maximum axial force Fa	200 N 7000 rpm	
	40 N	
type of cooling	Natural convection	
Length	8.0 in (203 mm)	
Centring collar diameter	1.6 in (40 mm)	
centring collar depth	0.08 in (2 mm)	
Number of mounting holes	4	
Mounting holes diameter	0.2 in (5.5 mm)	
Circle diameter of the mounting holes	2.5 in (63 mm)	
Net Weight	4.2 lb(US) (1.9 kg)	
Sizing reference	SH30553P	
Network number of phases	3	
Temperature copper hot	266 °F (130 °C)	
compatible drive output current 3s peak 2	6 A	
Electrical connection	rotatable right angled connector	

# Ordering and shipping details

Category	US1PC5218359
Discount Schedule	PC52
GTIN	3606485295510
Returnability	Yes
Country of origin	DE

## **Packing Units**

Unit Type of Package 1	PCE	
Nbr. of units in pkg.	1	
Package 1 Height	4.53 in (11.500 cm)	
Package 1 Width	7.48 in (19.000 cm)	
Package 1 Length	15.55 in (39.500 cm)	
Package weight(Lbs)	5.309 lb(US) (2.408 kg)	

Unit Type of Package 2	S04	
Number of Units in Package 2	6	
Package 2 Height	11.81 in (30 cm)	
Package 2 Width	15.75 in (40 cm)	
Package 2 Length	23.62 in (60 cm)	
Package 2 Weight	32.743 lb(US) (14.852 kg)	
Unit Type of Package 3	P06	
Number of Units in Package 3	24	
Package 3 Height	29.53 in (75.000 cm)	
Package 3 Width	31.50 in (80.000 cm)	
Package 3 Length	23.62 in (60.000 cm)	
Package 3 Weight	136.226 lb(US) (61.791 kg)	

### **Contractual warranty**

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

#### Environmental Data explained >

How we assess product sustainability >

∇ Environmental footprint	
Carbon footprint (kg CO2 eq, Total Life cycle)	2086
Environmental Disclosure	Product Environmental Profile

#### **Use Better**

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	Ead0850d-370a-47c5-8cf7-1d93c2c974a4
REACh Regulation	REACh Declaration
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
PVC free	Yes

#### **Use Again**

○ Repack and remanufacture	
Circularity Profile	No need of specific recycling operations
Take-back	No