

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

SH30553P12A2000

EAN Code: 3606485295602

### Main

Range compatibility	PacDrive 3
Device short name	SH3
Product or component type	Servo motor

## Complementary

- Comprehensive		
Maximum mechanical speed	9000 rpm	
[Us] rated supply voltage	115480 V	
Network number of phases	Three phase	
Continuous stall current	1.7 A	
Continuous stall torque	1.05 N.m at 115480 V three phase	
Continuous power	680 W	
Peak stall torque	3.5 N.m at 115480 V three phase	
Nominal output power	240 W at 115 V single phase 460 W at 230 V single phase 880 W at 400 V three phase 970 W at 480 V three phase	
Nominal torque	1.13 N.m at 115 V single phase 1.1 N.m at 230 V single phase 0.81 N.m at 400 V three phase 0.81 N.m at 480 V three phase	
Nominal speed	2000 rpm at 115 V single phase 4000 rpm at 230 V single phase 8000 rpm at 400 V three phase 8000 rpm at 480 V three phase	
Maximum current Irms	6.5 A	
Shaft end	Parallel key	
Shaft diameter	9 mm	
Shaft length	20 mm	
key width	3 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	Without	
Mounting support	International standard flange	
Motor flange size	55 mm	

Electrical connection	Rotatable right angled connector	
Torque constant	0.62 N.m/A at 120 °C	
Back emf constant	41 V/krpm at 20 °C	
Number of motor poles	3.0	
Rotor inertia	0.134 kg.cm²	
Stator resistance	10.4 Ohm	
Stator inductance	13.02 mH	
Maximum radial force Fr	190 N at 8000 rpm 390 N at 1000 rpm 310 N at 2000 rpm 270 N at 3000 rpm 240 N at 4000 rpm 230 N at 5000 rpm 210 N at 6000 rpm 200 N at 7000 rpm	
Maximum axial force Fa	40 N	
type of cooling	Natural convection	
Length	176.5 mm	
Centring collar diameter	40 mm	
centring collar depth	2 mm	
Number of mounting holes	4	
Mounting holes diameter	5.5 mm	
Circle diameter of the mounting holes	63 mm	
Net weight	1.8 kg	
Sizing reference	SH30553P	
Network number of phases	3	
Temperature copper hot	130 °C	
compatible drive output current 3s peak 2	6 A	
Electrical connection	rotatable right angled connector	

## **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	11.500 cm
Package 1 Width	39.500 cm
Package 1 Length	19.000 cm
Package 1 Weight	2.224 kg

# **Logistical informations**

Country of origin

## **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.eq.CO2 per CR, Total Life cycle)	2083
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	3edbf54a-a9bf-44a3-85db-9838d8d893a3
REACh Regulation	REACh Declaration
PVC free	Yes

### Use Again

○ Repack and remanufacture	
Circularity Profile	No need of specific recycling operations
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins