

# servo motor SH3 055 0,71Nm,key,multi,nobrake, 90°conn.IP54/IP65,9k RPM

SH30552P12A2000

! Discontinued on: 9 Feb 2023

① Discontinued

EAN Code: 3606485295381

## Main

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

## Complementary

9000 rpm	
115480 V	
Three phase	
1.2 A	
0.71 N.m at 115480 V three phase	
530 W	
2.5 N.m at 115480 V three phase	
160 W at 115 V single phase 310 W at 230 V single phase 600 W at 400 V three phase 670 W at 480 V three phase	
0.77 N.m at 115 V single phase 0.75 N.m at 230 V single phase 0.63 N.m at 400 V three phase 0.63 N.m at 480 V three phase	
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	
4.8 A	
Parallel key	
9 mm	
20 mm	
3 mm	
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	
Absolute multiturn SinCos Hiperface	
128 periods	
Without	
International standard flange	

Motor flange size	55 mm	
Electrical connection	Rotatable right angled connector	
Torque constant	0.59 N.m/A at 120 °C	
Back emf constant	40 V/krpm at 20 °C	
Number of motor poles	3.0	
Rotor inertia	0.096 kg.cm²	
Stator resistance	17.4 Ohm	
Stator inductance	18.2 mH	
Maximum radial force Fr	370 N at 1000 rpm 290 N at 2000 rpm 260 N at 3000 rpm 230 N at 4000 rpm 220 N at 5000 rpm 200 N at 6000 rpm 190 N at 7000 rpm 190 N at 8000 rpm	
Maximum axial force Fa	40 N	
type of cooling	Natural convection	
Length	154.4 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	1.5 kg	
Sizing reference	SH30552P	
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	11.000 cm
Package 1 Width	19.000 cm
Package 1 Length	39.500 cm
Package 1 Weight	1.917 kg
Unit Type of Package 2	S04
Number of Units in Package 2	4
Package 2 Height	30.000 cm
Package 2 Width	40.000 cm
Package 2 Length	60.000 cm
Package 2 Weight	8.318 kg

Unit Type of Package 3	P12
Number of Units in Package 3	16
Package 3 Height	45.000 cm
Package 3 Width	80.000 cm
Package 3 Length	120.000 cm
Package 3 Weight	45.272 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.eq.CO2 per CR, Total Life cycle)	1429
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
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