

# servo motor SH3 205 64,9Nm,key,single,nobrake, 90°conn.IP65/IP65,3.8k RPM

SH32052P11A2100

### Main

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

### Complementary

Complementary		
Maximum mechanical speed	3800 rpm	
[Us] rated supply voltage	115480 V	
Network number of phases	Three phase	
Continuous stall current	25.7 A	
Continuous stall torque	64.9 N.m at 115480 V three phase	
Continuous power	7900 W	
Peak stall torque	220 N.m at 115480 V three phase	
Nominal output power	3230 W at 115 V single phase 5860 W at 230 V single phase 7980 W at 400 V three phase 7140 W at 480 V three phase	
Nominal torque	61.6 N.m at 115 V single phase 56 N.m at 230 V single phase 38.1 N.m at 400 V three phase 28.4 N.m at 480 V three phase	
Nominal speed	500 rpm at 115 V single phase 1000 rpm at 230 V single phase 2000 rpm at 400 V three phase 2400 rpm at 480 V three phase	
Maximum current Irms	96.8 A	
Shaft end	Parallel key	
Shaft diameter	38 mm	
Shaft length	80 mm	
key width	10 mm	
IP degree of protection	IP65 motor: conforming to IEC 60034-5 IP65 shaft bushing: conforming to IEC 60034-5	
Encoder type	Absolute single turn SinCos Hiperface	
Speed feedback resolution	128 periods	
Holding brake	Without	
Mounting support	International standard flange	
Motor flange size	205 mm	

Electrical connection	Straight connector	
Torque constant	2.52 N.m/A at 120 °C	
Back emf constant	161 V/krpm at 20 °C	
Number of motor poles	5.0	
Rotor inertia	129 kg.cm²	
Stator resistance	0.3 Ohm	
Stator inductance	2.95 mH	
Maximum radial force Fr	4200 N at 1000 rpm 3330 N at 2000 rpm 2910 N at 3000 rpm	
Maximum axial force Fa	740 N	
Type of cooling	Natural convection	
Length	405 mm	
Centring collar diameter	180 mm	
Centring collar depth	4 mm	
Number of mounting holes	4	
Mounting holes diameter	14 mm	
Circle diameter of the mounting holes	215 mm	
Product weight	50 kg	
Sizing reference	SH32052P	
Network number of phases	3	
Temperature copper hot	130 °C	
compatible drive output current 3s peak 2	130 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	41.0 cm
Package 1 Width	31.0 cm
Package 1 Length	59.5 cm
Package 1 Weight	38.2 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	
Total lifecycle Carbon footprint	18905
Environmental Disclosure	Product Environmental Profile

#### **Use Better**

<b>⊗</b> Materials and Substances	
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	
End of life manual availability	No need of specific recycling operations
Take-back	No