

# Product data sheet

Specifications



servo motor SH3 070, 2,04Nm,key,  
single, brake, 90°conn, IP54, IP65,  
8k RPM

SH30702P11F2000

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

## Main

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

## Complementary

Maximum mechanical speed	8000 rpm
[Us] rated supply voltage	115...480 V
Phase	Three phase
Continuous stall current	2.9 A
Continuous stall torque	18.06 lbf.in (2.04 N.m) 115...480 V three phase
Continuous power	1130 W
Peak stall torque	67.3 lbf.in (7.6 N.m) 115...480 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	Parallel key
Shaft diameter	0.4 in (11 mm)
Shaft length	0.9 in (23 mm)
Key width	0.2 in (4 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 single turn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	With
Holding torque	26.6 lbf.in (3 N.m)
Mounting Support	International standard flange

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

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	3.0
Rotor inertia	0.482 kg.cm <sup>2</sup>
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)
Sizing reference	SH30702P
Network number of phases	3
Temperature copper hot	266 °F (130 °C)
compatible drive output current 3s peak 2	15 A
Electrical connection	rotatable right angled connector

## Ordering and shipping details

Category	US1PC5218359
Discount Schedule	PC52
GTIN	3606485296050
Returnability	Yes
Country of origin	DE

## Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	4.331 in (11.000 cm)
Package 1 Width	7.480 in (19.000 cm)
Package 1 Length	15.551 in (39.500 cm)
Package weight(Lbs)	8.126 lb(US) (3.686 kg)

<b>Unit Type of Package 2</b>	S04
<b>Number of Units in Package 2</b>	3
<b>Package 2 Height</b>	11.811 in (30.000 cm)
<b>Package 2 Width</b>	15.748 in (40.000 cm)
<b>Package 2 Length</b>	23.622 in (60.000 cm)
<b>Package 2 Weight</b>	25.812 lb(US) (11.708 kg)
<b>Unit Type of Package 3</b>	P12
<b>Number of Units in Package 3</b>	12
<b>Package 3 Height</b>	17.717 in (45.000 cm)
<b>Package 3 Width</b>	31.496 in (80.000 cm)
<b>Package 3 Length</b>	47.244 in (120.000 cm)
<b>Package 3 Weight</b>	129.702 lb(US) (58.832 kg)

## Contractual warranty

<b>Warranty</b>	18 months
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## Environmental Data

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) **2816**

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### 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](http://www.P65Warnings.ca.gov)**

PVC free **Yes**

## Use Again

### Repack and remanufacture

Circularity Profile **No need of specific recycling operations**

Take-back **No**