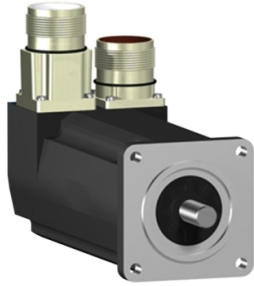


# Product data sheet

Specifications



## SH3 servomotor, 55mm, 3 stacks, smooth Shaft, SinCos Singleturn 128, no Brake, straight, IP65/65

SH30553P01A1100

⚠ Discontinued on: Oct 11, 2021

⚠ Discontinued

### 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	115...480 V
Phase	Three phase
Continuous stall current	1.7 A
Continuous stall torque	9.29 lbf.in (1.05 N.m) 115...480 V three phase
Continuous power	680 W
Peak stall torque	31.0 lbf.in (3.5 N.m) 115...480 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 6000 rpm 400 V three phase 6000 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	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	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.

<b>Electrical Connection</b>	Straight connector
<b>Torque constant</b>	0.62 N.m/A 248 °F (120 °C)
<b>Back emf constant</b>	41 V/krpm 68 °F (20 °C)
<b>Number of motor poles</b>	3
<b>Rotor inertia</b>	0.134 kg.cm <sup>2</sup>
<b>Stator resistance</b>	10.4 Ohm
<b>Stator inductance</b>	37.98 mH
<b>Maximum radial force Fr</b>	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 200 N 7000 rpm
<b>Maximum axial force Fa</b>	40 N
<b>Type of cooling</b>	Natural convection
<b>Length</b>	6.9 in (176.5 mm)
<b>Centring collar diameter</b>	1.6 in (40 mm)
<b>Centring collar depth</b>	0.08 in (2 mm)
<b>Number of mounting holes</b>	4
<b>Mounting holes diameter</b>	0.2 in (5.5 mm)
<b>Circle diameter of the mounting holes</b>	2.5 in (63 mm)
<b>Net Weight</b>	4.0 lb(US) (1.8 kg)
<b>Sizing reference</b>	SH30553P
<b>Network number of phases</b>	3
<b>Temperature copper hot</b>	266 °F (130 °C)
<b>Electrical connection</b>	straight connector

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	0.4 in (1 cm)
<b>Package 1 Width</b>	0.4 in (1 cm)
<b>Package 1 Length</b>	0.4 in (1 cm)
<b>Package weight(Lbs)</b>	2.2 lb(US) (1 kg)

## Contractual warranty

<b>Warranty (in months)</b>	18
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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 >](#)

### Use Better

#### Materials and Substances

[EU RoHS Directive](#)

Pro-active compliance (Product out of EU RoHS legal scope)

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 Longer

#### Lifetime extension

Repair

No

### Use Again

#### Repack and remanufacture

Circularity Profile

No need of specific recycling operations