

# Product datasheet

## Characteristics

SH30552P11F2200

servo motor SH3 055

0,8Nm,key,single,brake,90°conn.IP65/IP67,9k  
RPM



### Main

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

### Complementary

Maximum mechanical speed	9000 rpm
[Us] rated supply voltage	115...480 V
Network number of phases	Three phase
Continuous stall current	0.6 A
Continuous stall torque	0.8 N.m at 115...480 V three phase
Peak stall torque	2.5 N.m at 115...480 V three phase
Nominal output power	160 W at 115 V three phase 310 W at 230 V three phase 600 W at 400 V three phase 670 W at 480 V three phase
Nominal torque	0.77 N.m at 115 V three phase 0.75 N.m at 230 V three phase 0.72 N.m at 400 V three phase 0.71 N.m at 480 V three phase
Nominal speed	4000 rpm at 230 V three phase 9000 rpm at 480 V three phase 2000 rpm at 115 V three phase 8000 rpm at 400 V three phase
Maximum current Irms	4.8 A
Shaft end	Parallel key
Shaft diameter	9 mm
Shaft length	20 mm
Key width	3 mm
IP degree of protection	IP65 motor: conforming to EN/IEC 60034-5

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

IP65 shaft bushing: conforming to EN/IEC 60034-5  
IP67 housing: conforming to EN/IEC 60034-5

Encoder type	Absolute single turn SinCos Hiprface
Speed feedback resolution	128 periods
Holding brake	With
Holding torque	0.8 N.m
Mounting support	International standard flange
Motor flange size	55 mm
Torque constant	0.7 N.m/A at 120 °C
Back emf constant	40 V/krpm at 20 °C
Number of motor poles	3
Rotor inertia	0.117 kg.cm <sup>2</sup>
Stator resistance	17.4 Ohm
Stator inductance	53.54 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	181 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
Product weight	1.6 kg

### Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	No need of specific recycling operations
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

### Contractual warranty

Warranty	18 months
----------	-----------