

Product data sheet

Characteristics

SH30552P11A2200

servo motor SH3 055

0,8Nm, key, single, nobrake, 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	0.75 N.m at 230 V three phase 0.71 N.m at 480 V three phase 0.77 N.m at 115 V three phase 0.72 N.m at 400 V three phase
Nominal speed	2000 rpm at 115 V three phase 8000 rpm at 400 V three phase 9000 rpm at 480 V three phase 4000 rpm at 230 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

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

Encoder type	Absolute single turn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	Without
Holding torque	0.8 N.m
Mounting support	International standard flange
Motor flange size	55 mm
Electrical connection	Rotatable right angled connector
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	0.096 kg.cm ²
Stator resistance	17.4 Ohm
Stator inductance	53.54 mH
Maximum radial force Fr	190 N at 7000 rpm 190 N at 8000 rpm 200 N at 6000 rpm 220 N at 5000 rpm 230 N at 4000 rpm 260 N at 3000 rpm 290 N at 2000 rpm 370 N at 1000 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
Product weight	1.5 kg

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Warranty period	18 months
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