

Product data sheet

Characteristics

SH32052P11A2100
servo motor SH3 205
64,9Nm,key,single,nobrake,90°conn.IP65/
IP65,3.8k RPM



Main

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

Complementary

Maximum mechanical speed	3800 rpm
[Us] rated supply voltage	115...480 V
Network number of phases	Three phase
Continuous stall current	25.7 A
Continuous stall torque	64.9 N.m at 115...480 V three phase
Peak stall torque	220 N.m at 115...480 V three phase
Nominal output power	7140 W at 480 V three phase 7980 W at 400 V three phase 5860 W at 230 V three phase 3230 W at 115 V three phase
Nominal torque	28.4 N.m at 480 V three phase 38.1 N.m at 400 V three phase 56 N.m at 230 V three phase 61.6 N.m at 115 V three phase
Nominal speed	2400 rpm at 480 V three phase 2000 rpm at 400 V three phase 1000 rpm at 230 V three phase 500 rpm at 115 V three phase
Maximum current I_{rms}	96.8 A
Shaft end	Parallel key
Shaft diameter	38 mm
Shaft length	80 mm
Key width	10 mm
IP degree of protection	IP65 (shaft bushing) conforming to EN/IEC 60034-5 IP65 (motor) conforming to EN/IEC 60034-5
Encoder type	Absolute single turn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	Without
Holding torque	80 N.m
Mounting support	International standard flange
Motor flange size	205 mm
Electrical connection	Rotatable right angled connector
Torque constant	2.58 N.m/A at -20...40 °C
Back emf constant	161 V/krpm at 20 °C

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Number of motor poles	5
Rotor inertia	129 kg.cm ²
Stator resistance	0.3 Ohm at -20...40 °C
Stator inductance	8.2 mH at -20...40 °C
Maximum radial force Fr	2910 N at 3000 rpm 3330 N at 2000 rpm 4200 N at 1000 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

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1036 -  Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available  Download Product Environmental
Product end of life instructions	Need no specific recycling operations