

Product datasheet

Characteristics

SH30702P11A2200
servo motor SH3 070
2,2Nm,key,single,nobrake,90°conn.IP65/IP67,8k
RPM



Main

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

Complementary

Maximum mechanical speed	8000 rpm
[Us] rated supply voltage	115...480 V
Network number of phases	Three phase
Continuous stall current	2.9 A
Continuous stall torque	2.2 N.m at 115...480 V three phase
Peak stall torque	7.6 N.m at 115...480 V three phase
Nominal output power	340 W at 115 V three phase 660 W at 230 V three phase 1190 W at 400 V three phase 1360 W at 480 V three phase
Nominal torque	2.15 N.m at 115 V three phase 2.1 N.m at 230 V three phase 1.9 N.m at 400 V three phase 1.8 N.m at 480 V three phase
Nominal speed	1500 rpm at 115 V three phase 3000 rpm at 230 V three phase 6000 rpm at 400 V three phase 7200 rpm at 480 V three phase
Maximum current I_{rms}	11.8 A
Shaft end	Parallel key
Shaft diameter	11 mm
Shaft length	23 mm
Key width	4 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	Without
Mounting support	International standard flange
Motor flange size	70 mm
Torque constant	0.77 N.m/A at 120 °C
Back emf constant	48 V/krpm at 20 °C
Number of motor poles	3
Rotor inertia	0.41 kg.cm ²
Stator resistance	4.2 Ohm
Stator inductance	29.65 mH
Maximum radial force Fr	710 N at 1000 rpm 560 N at 2000 rpm 490 N at 3000 rpm 450 N at 4000 rpm 410 N at 5000 rpm 390 N at 6000 rpm
Maximum axial force Fa	80 N
Type of cooling	Natural convection
Length	187 mm
Centring collar diameter	60 mm
Centring collar depth	2.5 mm
Number of mounting holes	4
Mounting holes diameter	5.5 mm
Circle diameter of the mounting holes	82 mm
Product weight	2.8 kg

Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
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
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