

SH31004P11F2100

servo motor SH3 100

10Nm,key,single,brake,90°conn.IP65/IP65,6k
RPM



Main

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

Complementary

Maximum mechanical speed	6000 rpm
[Us] rated supply voltage	115...480 V
Network number of phases	Three phase
Continuous stall current	6.2 A
Continuous stall torque	10 N.m at 115...480 V three phase
Peak stall torque	40.5 N.m at 115...480 V three phase
Nominal output power	780 W at 115 V three phase 1490 W at 230 V three phase 2480 W at 400 V three phase 2600 W at 480 V three phase
Nominal torque	9.9 N.m at 115 V three phase 9.5 N.m at 230 V three phase 7.9 N.m at 400 V three phase 6.9 N.m at 480 V three phase
Nominal speed	750 rpm at 115 V three phase 1500 rpm at 230 V three phase 3000 rpm at 400 V three phase 3600 rpm at 480 V three phase
Maximum current Irms	32.3 A
Shaft end	Parallel key
Shaft diameter	24 mm
Shaft length	50 mm
Key width	8 mm
IP degree of protection	IP65 motor: conforming to EN/IEC 60034-5

Encoder type	Absolute single turn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	With
Holding torque	12 N.m
Mounting support	International standard flange
Motor flange size	100 mm
Torque constant	1.62 N.m/A at 120 °C
Back emf constant	103 V/krpm at 20 °C
Number of motor poles	4
Rotor inertia	5.245 kg.cm ²
Stator resistance	1.81 Ohm
Stator inductance	18.35 mH
Maximum radial force Fr	1070 N at 1000 rpm 850 N at 2000 rpm 740 N at 3000 rpm
Maximum axial force Fa	160 N
Type of cooling	Natural convection
Length	307.5 mm
Centring collar diameter	95 mm
Centring collar depth	3.5 mm
Number of mounting holes	4
Mounting holes diameter	9 mm
Circle diameter of the mounting holes	115 mm
Product weight	9.9 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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