

Product datasheet

Characteristics

SH30402P07F2000
servo motor SH3 040 0,38Nm,no
key,multi,brake,90°conn,IP54/IP65,9k 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	1.5 A
Continuous stall torque	0.38 N.m at 115...480 V three phase
Continuous power	398 W
Peak stall torque	1.37 N.m at 480 V three phase
Nominal output power	152 W at 115 V three phase 152 W at 230 V three phase 275 W at 400 V three phase 289 W at 480 V three phase
Nominal torque	0.292 N.m at 115 V three phase 0.292 N.m at 230 V three phase 0.307 N.m at 400 V three phase 0.364 N.m at 480 V three phase
Nominal speed	4000 rpm at 115 V three phase 4000 rpm at 230 V three phase 9000 rpm at 400 V three phase 9000 rpm at 480 V three phase
Maximum current Irms	6 A
Shaft end	Smooth shaft
Shaft diameter	8 mm
Shaft length	25 mm
IP degree of protection	IP54 shaft bushing without shaft seal ring: conforming to EN/IEC 60034-5 IP65 motor: conforming to EN/IEC 60034-5 IP65 shaft bushing: 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

Encoder type	Absolute multiturn SinCos Hiperface
Speed feedback resolution	16 periods
Holding brake	With
Holding torque	0.4 N.m
Mounting support	International standard flange
Motor flange size	40 mm
Torque constant	0.253 N.m/A at 120 °C
Back emf constant	18 V/krpm at 20 °C
Number of motor poles	5
Rotor inertia	0.0588 kg.cm²
Stator resistance	11.6 Ohm
Stator inductance	12.8 mH
Type of cooling	Natural convection
Length	119.4 mm
Centring collar diameter	30 mm
Centring collar depth	2.5 mm
Number of mounting holes	4
Mounting holes diameter	4.5 mm
Circle diameter of the mounting holes	46 mm
Product weight	0.8 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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