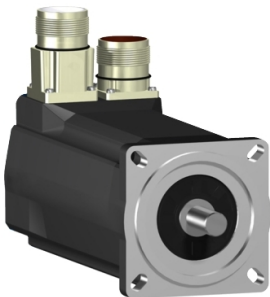


Product data sheet

Specifications



servo motor SH3 070
2,94Nm,nokey,single,nobrake,str.co
nn,IP54/IP65,8k RPM

SH30703M01A1000

Main

Range Compatibility	PacDrive 3
Product Or Component Type	Servo motor
Device Short Name	SH3.....M

Complementary

Maximum Mechanical Speed	8000 rpm
[Us] Rated Supply Voltage	115...480 V
Network Number Of Phases	Three phase
Continuous Stall Current	2.1 A
Continuous Stall Torque	2.94 N.m at 115...480 V three phase
Continuous Power	830 W
Peak Stall Torque	11.3 N.m at 115...480 V three phase
Nominal Output Power	240 W at 115 V single phase 460 W at 230 V single phase 880 W at 400 V three phase 1030 W at 480 V three phase
Nominal Torque	3.05 N.m at 115 V single phase 2.95 N.m at 230 V single phase 2.63 N.m at 400 V three phase 2.63 N.m at 480 V three phase
Nominal Speed	750 rpm at 115 V single phase 1500 rpm at 230 V single phase 3000 rpm at 400 V three phase 3600 rpm at 480 V three phase
Maximum Current Irms	8.7 A
Shaft End	Smooth shaft
Shaft Diameter	14 mm
Shaft Length	30 mm
Key Width	5 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
Encoder Type	Absolute single turn SinCos Hiperface
Speed Feedback Resolution	128 periods
Holding Brake	Without
Mounting Support	International standard flange
Motor Flange Size	70 mm

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

Electrical Connection	Rotatable right angled connector
Torque Constant	1.4 N.m/A at 120 °C
Back Emf Constant	95 V/krpm at 20 °C
Number Of Motor Poles	3
Rotor Inertia	0.58 kg.cm²
Stator Resistance	10.7 Ohm
Stator Inductance	76.85 mH
Maximum Radial Force Fr	730 N at 1000 rpm 580 N at 2000 rpm 510 N at 3000 rpm 460 N at 4000 rpm 430 N at 5000 rpm 400 N at 6000 rpm
Maximum Axial Force Fa	80 N
Type Of Cooling	Natural convection
Length	220 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
Net Weight	3.6 kg

Contractual warranty

Warranty	18 months
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