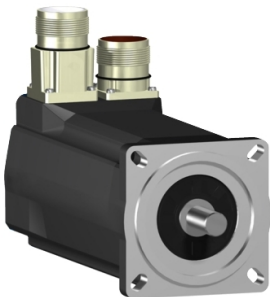


Product data sheet

Specifications



servo motor SH3 070
2,04Nm,nokey,single,nobrake,str.co
nn,IP54/IP65,8k RPM

SH30702M01A1000

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	1.5 A
Continuous Stall Torque	2.04 N.m at 115...480 V three phase
Continuous Power	640 W
Peak Stall Torque	7.6 N.m at 115...480 V three phase
Nominal Output Power	700 W at 115 V single phase 340 W at 230 V single phase 660 W at 400 V three phase 780 W at 480 V three phase
Nominal Torque	2.2 N.m at 115 V single phase 2.15 N.m at 230 V single phase 2.03 N.m at 400 V three phase 2.03 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	6 A
Shaft End	Smooth shaft
Shaft Diameter	11 mm
Shaft Length	23 mm
Key Width	4 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	1.36 N.m/A at 120 °C
Back Emf Constant	95.9 V/krpm at 20 °C
Number Of Motor Poles	3
Rotor Inertia	0.41 kg.cm²
Stator Resistance	16.4 Ohm
Stator Inductance	115.7 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
Net Weight	2.8 kg

Contractual warranty

Warranty	18 months
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