

Product data sheet

Specifications



servo motor SHS 071 1,4Nm,no
brake,6k RPM

FCE200520B200

Main

Range Compatibility	PacDrive 3
Product Or Component Type	Servo motor
Device Short Name	SHS
Encoder Type	Absolute multiturn SinCos Hiperface

Complementary

Maximum Mechanical Speed	8000 rpm
[Us] Rated Supply Voltage	400 V
Network Number Of Phases	Three phase
Continuous Stall Current	2.9 A
Continuous Stall Torque	2 N.m for LXM62 2 N.m for LXM52
Continuous Power	880 W
Peak Stall Torque	7.6 N.m for LXM62 at 2200 mA, 400 V, 3 phases 7.6 N.m for LXM52 at 2200 mA, 400 V, 3 phases
Nominal Output Power	880 W for LXM62 880 W for LXM52
Nominal Torque	1.4 N.m for LXM62 at 400 V three phase 1.4 N.m for LXM52 at 400 V three phase
Nominal Speed	6000 rpm for LXM62 6000 rpm for LXM52
Maximum Current Irms	11.8 A for LXM62 11.8 A for LXM52
Maximum Permanent Current	2.2 A
Product Compatibility	LXM62 at 400 V, three phase LXM52 at 400 V, three phase
Switching Frequency	8 kHz
Shaft End	Smooth shaft
Shaft Diameter	11 mm
Shaft Length	23 mm
Key Width	4 mm
Speed Feedback Resolution	128 periods
Holding Brake	Without
Holding Torque	2 N.m
Mounting Support	Flange

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

Motor Flange Size	71 mm
Electrical Connection	Cable with stripped end
Back Emf Constant	0.68 V/krpm at 20 °C
Number Of Motor Poles	48
Rotor Inertia	0.41 kg.cm²
Stator Resistance	4.2 Ohm
Stator Inductance	19 mH
Maximum Radial Force Fr	390 N at 6000 rpm
Maximum Axial Force Fa	80 N
Number Of Motor Stacks	2
Type Of Cooling	Natural convection
Length	216.7 mm
Centring Collar Diameter	60 mm
Centring Collar Depth	2.5 mm
Number Of Mounting Holes	4
Mounting Holes Diameter	6 mm
Circle Diameter Of The Mounting Holes	71 mm
Net Weight	6.4 kg

Environment

Ip Degree Of Protection	IP69K motor: conforming to IEC 60034-5 IP67 motor: conforming to IEC 60034-5
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Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	21.0 cm
Package 1 Width	18.0 cm
Package 1 Length	36.0 cm
Package 1 Weight	4.0 kg