

Product data sheet

Specifications



servo motor SHS 071 1,55Nm,brake,6k RPM

FCE200521B200

Main

Range compatibility	PacDrive 3
Device short name	SHS
Product or component type	Servo motor
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	3.6 A
Continuous stall torque	41.16 lbf.in (4.65 N.m) LXM62 41.16 lbf.in (4.65 N.m) LXM52
Continuous power	970 W
Peak stall torque	162.0 lbf.in (18.3 N.m) LXM62 1900 mA, 400 V, 3 phases 162.0 lbf.in (18.3 N.m) LXM52 1900 mA, 400 V, 3 phases
Nominal output power	810 W LXM62 810 W LXM52
Nominal torque	34.08 lbf.in (3.85 N.m) LXM62 400 V three phase 34.08 lbf.in (3.85 N.m) LXM52 400 V three phase
Nominal speed	2000 rpm LXM62 2000 rpm LXM52
Maximum current Irms	9 A LXM62 9 A LXM52
Maximum permanent current	2.3 A
Product compatibility	LXM62 400 V, three phase LXM52 400 V, three phase
Switching frequency	8 kHz
Shaft end	Smooth shaft
Shaft diameter	0.6 in (14 mm)
Shaft length	1.2 in (30 mm)
Key width	0.2 in (5 mm)
Speed feedback resolution	128 periods
Holding brake	Without
Holding torque	22.1 lbf.in (2.5 N.m)
Mounting support	Flange

Motor flange size	2.8 in (71 mm)
Electrical connection	Cable with stripped end
Torque constant	2.1 N.m/A
Back emf constant	0.7 V/krpm 68 °F (20 °C)
Number of motor poles	3
Rotor inertia	0.81 kg.cm ²
Stator resistance	8.6 Ohm
Stator inductance	45.7 mH
Maximum radial force Fr	790 N 2000 rpm
Maximum axial force Fa	80 N
Number of motor stacks	3
Type of cooling	Natural convection
Length	11.2 in (284 mm)
Centring collar diameter	2.4 in (60 mm)
Centring collar depth	0.10 in (2.5 mm)
Number of mounting holes	4
Mounting holes diameter	0.2 in (6 mm)
Circle diameter of the mounting holes	2.8 in (71 mm)
Net weight	15.9 lb(US) (7.2 kg)
Sizing reference	SC005H2301
Network number of phases	3
Temperature copper hot	266 °F (130 °C)
Output current 3s peak	15.2 A
Inertia	0.62 kg.cm ² of brake 2.31 kg.cm ² of motor 2.31 kg.cm ² of motor 0.58 kg.cm ² of motor
Nominal speed	6000 rpm

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	9.8 in (25.0 cm)
Package 1 Width	7.3 in (18.6 cm)
Package 1 Length	21.7 in (55.0 cm)
Package 1 Weight	10.85 lb(US) (4.92 kg)

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better



Materials and Substances

Packaging made with recycled cardboard **Yes**

Packaging without single use plastic **No**

Use Longer



Lifetime extension

Repair **No**

Use Again



Repack and remanufacture

Take-back **Nej**