

Product datasheet

Specifications



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

FCE200521B200

EAN Code: 3606485403717

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	2.5 N.m for LXM62 2.5 N.m for LXM52
Continuous power	970 W
Peak stall torque	10.3 N.m for LXM62 at 2350 mA, 400 V, 3 phases 10.3 N.m for LXM52 at 2350 mA, 400 V, 3 phases
Nominal output power	970 W for LXM62 970 W for LXM52
Nominal torque	1.55 N.m for LXM62 at 400 V three phase 1.55 N.m for LXM52 at 400 V three phase
Nominal speed	6000 rpm for LXM62 6000 rpm for LXM52
Maximum current Irms	15.2 A for LXM62 15.2 A for LXM52
Maximum permanent current	2.3 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	14 mm
Shaft length	30 mm
key width	5 mm
Speed feedback resolution	128 periods
Holding brake	Without
Holding torque	2.5 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
Torque constant	0.7 N.m/A
Back emf constant	0.7 V/krpm at 20 °C
Number of motor poles	3
Rotor inertia	0.81 kg.cm²
Stator resistance	2.7 Ohm
Stator inductance	13 mH
Maximum radial force Fr	400 N at 6000 rpm
Maximum axial force Fa	80 N
Number of motor stacks	3
type of cooling	Natural convection
Length	284 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	7.2 kg
Sizing reference	SC005H2301
Network number of phases	3
Temperature copper hot	130 °C
compatible drive output current 3s peak 2	15.2 A

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	25.0 cm
Package 1 Width	18.6 cm
Package 1 Length	55.0 cm
Package 1 Weight	4.92 kg

Contractual warranty

Warranty	18 months
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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 Again

 Repack and remanufacture	
Take-back	No