

# Product data sheet

Specifications



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

FCE200520B200

**Product availability: Non-Stock - Not normally stocked in  
distribution facility**

### 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
Phase	Three phase
Continuous stall current	2.9 A
Continuous stall torque	17.7 lbf.in (2 N.m) LXM62 17.7 lbf.in (2 N.m) LXM52
Continuous power	880 W
Peak stall torque	67.3 lbf.in (7.6 N.m) LXM62 2200 mA, 400 V, 3 phase 67.3 lbf.in (7.6 N.m) LXM52 2200 mA, 400 V, 3 phase
Nominal output power	880 W LXM62 880 W LXM52
Nominal torque	12.4 lbf.in (1.4 N.m) LXM62 400 V three phase 12.4 lbf.in (1.4 N.m) LXM52 400 V three phase
Nominal speed	6000 rpm LXM62 6000 rpm LXM52
Maximum current Irms	11.8 A LXM62 11.8 A LXM52
Maximum permanent current	2.2 A
Product compatibility	LXM62 400 V, three phase LXM52 400 V, three phase
Switching frequency	8 kHz
Shaft end	Smooth shaft
Shaft diameter	0.4 in (11 mm)
Shaft length	0.9 in (23 mm)
Key width	0.2 in (4 mm)
Speed feedback resolution	128 periods
Holding brake	Without
Holding torque	17.7 lbf.in (2 N.m)
Mounting Support	Flange

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Motor flange size	2.8 in (71 mm)
Electrical Connection	Cable with stripped end
Torque constant	0.69 N.m/A
Back emf constant	0.68 V/krpm 68 °F (20 °C)
Number of motor poles	3
Rotor inertia	0.41 kg.cm <sup>2</sup>
Stator resistance	4.2 Ohm
Stator inductance	19 mH
Maximum radial force Fr	390 N 6000 rpm
Maximum axial force Fa	80 N
Number of motor stacks	2
Type of cooling	Natural convection
Length	8.5 in (216.7 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	14.1 lb(US) (6.4 kg)
Sizing reference	SC005H2201
Network number of phases	3
Temperature copper hot	266 °F (130 °C)
Output current 3s peak	11.8 A
Inertia	0.0 kg.cm <sup>2</sup> of brake 0.41 kg.cm <sup>2</sup> 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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## Ordering and shipping details

Category	US1PC5218359
Discount Schedule	PC52
GTIN	3606485403700
Returnability	Yes
Country of origin	DE

## Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	8.3 in (21.0 cm)

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<b>Package 1 Width</b>	7.09 in (18.0 cm)
<b>Package 1 Length</b>	14.2 in (36.0 cm)
<b>Package weight(Lbs)</b>	8.8 lb(US) (4.0 kg)

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## **Contractual warranty**

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<b>Warranty (in months)</b>	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 **No**