

# Product datasheet

Specifications



## servo motor SHS 100 3,0Nm,brake, 4k RPM

FCE200523B200

EAN Code: 3606485403731

### 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	6000 rpm
[Us] rated supply voltage	400 V
Network number of phases	Three phase
Continuous stall current	5.7 A
Continuous stall torque	6.75 N.m for LXM62 6.75 N.m for LXM52
Continuous power	1260 W
Peak stall torque	28.3 N.m for LXM62 at 3100 mA, 400 V, 3 phases 28.3 N.m for LXM52 at 3100 mA, 400 V, 3 phases
Nominal output power	1260 W for LXM62 1260 W for LXM52
Nominal torque	3 N.m for LXM62 at 400 V three phase 3 N.m for LXM52 at 400 V three phase
Nominal speed	4000 rpm for LXM62 4000 rpm for LXM52
Maximum current Irms	28.3 A for LXM62 28.3 A for LXM52
Maximum permanent current	3.1 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	19 mm
Shaft length	40 mm
key width	6 mm
Speed feedback resolution	128 periods
Holding brake	With
Holding torque	4.65 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	100 mm
Electrical connection	Cable with stripped end
Torque constant	1.18 N.m/A
Back emf constant	2.1 V/krpm at 20 °C
Number of motor poles	4
Rotor inertia	3.22 kg.cm²
Stator resistance	1.4 Ohm
Stator inductance	8.8 mH
Maximum radial force Fr	660 N at 4000 rpm
Maximum axial force Fa	160 N
Number of motor stacks	3
type of cooling	Natural convection
Length	270.7 mm
Centring collar diameter	85 mm
centring collar depth	3.5 mm
Number of mounting holes	4
Mounting holes diameter	8 mm
Circle diameter of the mounting holes	100 mm
Net weight	10 kg
Sizing reference	SC005H3301
Network number of phases	3
Temperature copper hot	130 °C
compatible drive output current 3s peak 2	28.3 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	26.0 cm
Package 1 Width	20.0 cm
Package 1 Length	59.0 cm
Package 1 Weight	8.95 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

 <b>Materials and Substances</b>	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No

### Use Again

 <b>Repack and remanufacture</b>	
Take-back	No