

Product data sheet

Specifications



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

FCE200523B200

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	6000 rpm
[Us] rated supply voltage	400 V
Phase	Three phase
Continuous stall current	5.7 A
Continuous stall torque	59.74 lbf.in (6.75 N.m) LXM62 59.74 lbf.in (6.75 N.m) LXM52
Continuous power	1260 W
Peak stall torque	250.5 lbf.in (28.3 N.m) LXM62 3100 mA, 400 V, 3 phase 250.5 lbf.in (28.3 N.m) LXM52 3100 mA, 400 V, 3 phase
Nominal output power	1260 W LXM62 1260 W LXM52
Nominal torque	26.6 lbf.in (3 N.m) LXM62 400 V three phase 26.6 lbf.in (3 N.m) LXM52 400 V three phase
Nominal speed	4000 rpm LXM62 4000 rpm LXM52
Maximum current Irms	28.3 A LXM62 28.3 A LXM52
Maximum permanent current	3.1 A
Product compatibility	LXM62 400 V, three phase LXM52 400 V, three phase
Switching frequency	8 kHz
Shaft end	Smooth shaft
Shaft diameter	0.7 in (19 mm)
Shaft length	1.6 in (40 mm)
Key width	0.2 in (6 mm)
Speed feedback resolution	128 periods
Holding brake	With
Holding torque	41.16 lbf.in (4.65 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	3.9 in (100 mm)
Electrical Connection	Cable with stripped end
Torque constant	1.18 N.m/A
Back emf constant	2.1 V/krpm 68 °F (20 °C)
Number of motor poles	4
Rotor inertia	3.22 kg.cm ²
Stator resistance	1.4 Ohm
Stator inductance	8.8 mH
Maximum radial force Fr	660 N 4000 rpm
Maximum axial force Fa	160 N
Number of motor stacks	3
Type of cooling	Natural convection
Length	10.7 in (270.7 mm)
Centring collar diameter	3.3 in (85 mm)
Centring collar depth	0.1 in (3.5 mm)
Number of mounting holes	4
Mounting holes diameter	0.3 in (8 mm)
Circle diameter of the mounting holes	3.9 in (100 mm)
Net Weight	22.05 lb(US) (10 kg)
Sizing reference	SC005H3301
Network number of phases	3
Temperature copper hot	266 °F (130 °C)
Output current 3s peak	28.3 A
Inertia	0.62 kg.cm ² of brake 3.22 kg.cm ² of motor
Nominal speed	4000 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	3606485403731
Returnability	Yes
Country of origin	DE

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	8.110 in (20.600 cm)

Package 1 Width	10.472 in (26.600 cm)
Package 1 Length	23.740 in (60.300 cm)
Package weight(Lbs)	33.268 lb(US) (15.090 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 **No**