

# Product data sheet

Specifications



## LXM52 single drive 3A/12A

LXM52DD12C41000

### Main

Range Of Product	PacDrive 3
Product Or Component Type	Single drive
Device Short Name	LXM 52
Product Compatibility	Servo motor SH3 (55 mm, 3 motor stacks)optimized in terms of torque and speed Servo motor SH3 (70 mm, 1 motor stacks)optimized in terms of torque and speed Servo motor SH3 (70 mm, 2 motor stacks)optimized in terms of torque and speed Servo motor SH3 (70 mm, 3 motor stacks)optimized in terms of high torque Servo motor SH3 (100 mm, 1 motor stacks)optimized in terms of high torque Servo motor SH3 (100 mm, 2 motor stacks)optimized in terms of high torque Servo motor MH3 (70 mm, 2 motor stacks)optimized in terms of torque and speed Servo motor MH3 (70 mm, 3 motor stacks)optimized in terms of torque and speed Servo motor MH3 (100 mm, 1 motor stacks)optimized in terms of torque and speed Servo motor SHS (100 mm, 1 motor stacks)optimized in terms of torque and speed

### Complementary

Network Number Of Phases	3 phases
[Us] Rated Supply Voltage	208...480 V - 15...10 %
Supply Frequency	50...60 Hz - 5...5 %
Continuous Output Current	3 A at 8 kHz
Output Current 3S Peak	12 A
Continuous Power	1.6 kW
Nominal Power	0.9 kW
Switching Frequency	8 kHz
Overvoltage Category	III
Electrical Connection	Terminal, clamping capacity: 0.75...5.3 mm², AWG 18...AWG 10 (CN1) Terminal, clamping capacity: 0.75...5.3 mm², AWG 18...AWG 10 (CN10)
Tightening Torque	CN1: 0.68 N.m CN10: 0.68 N.m
Number Of Inputs	4 digital 4 touch probe
Discrete Input Voltage	24 V DC
Number Of Outputs	2 digital
Discrete Output Voltage	24 V DC
Contact Bounce Time	> 1 ms for compliment of STO_A, compliment of STO_B
Communication Interface	SERCOS III, integrated
Width	48 mm
Height	270 mm

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

Depth	217 mm
Net Weight	1.8 kg

## Environment

Standards	IEC 61800-5-1 UL 508C IEC 61800-3
Product Certifications	UL CE
Ip Degree Of Protection	IP20 conforming to IEC 60721-3-3
Vibration Resistance	10 m/s² conforming to IEC 60721-3-3
Shock Resistance	100 m/s² conforming to IEC 60721-3-3
Pollution Degree	2
Environmental Characteristic	3K3 conforming to IEC 60721-3-3
Relative Humidity	5...95 %
Ambient Air Temperature For Operation	0...50 °C

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	8.5 cm
Package 1 Width	27.5 cm
Package 1 Length	32.5 cm
Package 1 Weight	2.3 kg
Unit Type Of Package 2	S03
Number Of Units In Package 2	3
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	7.636 kg
Unit Type Of Package 3	P06
Number Of Units In Package 3	24
Package 3 Height	80 cm
Package 3 Width	80 cm
Package 3 Length	60 cm
Package 3 Weight	67 kg

## Contractual warranty

Warranty	18 months
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# Sustainability

**Green Premium™** label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency   RoHS/REACH

## Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   [Yes](#)

✓ Pvc Free

## Certifications & Standards

Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>