Product data sheet

Specifications



LXM52 single drive 3A/12A

LXM52DD12C41000

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	PacDrive 3
Device short name	LXM 52
Product or Component Type	Single drive
Product compatibility	Servo motor SH3 2.2 in (55 mm), 3 optimized in terms of torque and speed Servo motor SH3 2.8 in (70 mm), 1 optimized in terms of torque and speed Servo motor SH3 2.8 in (70 mm), 2 optimized in terms of torque and speed Servo motor SH3 2.8 in (70 mm), 3 optimized in terms of high torque Servo motor SH3 3.9 in (100 mm), 1 optimized in terms of high torque Servo motor SH3 3.9 in (100 mm), 2 optimized in terms of high torque Servo motor MH3 2.8 in (70 mm), 2 optimized in terms of torque and speed Servo motor MH3 2.8 in (70 mm), 3 optimized in terms of torque and speed Servo motor MH3 3.9 in (100 mm), 1 optimized in terms of torque and speed Servo motor SHS 3.9 in (100 mm), 1 optimized in terms of torque and speed
Component name	LXM52

Complementary

Phase	Three phase
[Us] rated supply voltage	208...480 V - 15...10 %
Supply frequency	50...60 Hz - 5...5 %
Continuous output current	3 A 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 0.75...5.3 mm², AWG 18...AWG 10 CN1) Terminal 0.75...5.3 mm², AWG 18...AWG 10 CN10)
Tightening torque	CN1 6.02 lbf.in (0.68 N.m) CN10 6.02 lbf.in (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 compliment of STO_A, compliment of STO_B
Communication interface	SERCOS III, Integrated
Width	1.9 in (48 mm)

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

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

Height	10.6 in (270 mm)
Depth	8.5 in (217 mm)
Product Weight	4.0 lb(US) (1.8 kg)

Environment

Standards	IEC 61800-5-1 UL 508C IEC 61800-3
Product Certifications	UL CE
IP degree of protection	IP20 IEC 60721-3-3
Vibration resistance	10 m/s² conforming to IEC 60721-3-3
Shock resistance	100 m/s² 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	32…122 °F (0…50 °C)

Ordering and shipping details

Category	US1PC5218355
Discount Schedule	PC52
GTIN	3606480517297
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	3.346 in (8.500 cm)
Package 1 Width	10.827 in (27.500 cm)
Package 1 Length	12.795 in (32.500 cm)
Package weight(Lbs)	5.106 lb(US) (2.316 kg)
Unit Type of Package 2	S03
Number of Units in Package 2	3
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	17.017 lb(US) (7.719 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	24
Package 3 Height	29.528 in (75.000 cm)
Package 3 Width	23.622 in (60.000 cm)
Package 3 Length	31.496 in (80.000 cm)

Package 3 Weight	147.710 lb(US) (67.000 kg)

Contractual warranty

Warranty (in months)	18

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 >

Environmental footprint

Total lifecycle Carbon footprint	**1 584 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**21 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.3 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**1 562 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**1 kg CO2 eq.**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
SCIP Number	**3d0be293-7e12-47d2-b52f-e501202c4302**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**
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 www.P65Warnings.ca.gov**
PVC free	**Yes**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Circularity Profile	**End of Life Information**
Take-back	**No**