

Product data sheet

Specifications



LXM52 single drive 3A/12A

LXM52DD12C41000

Main

| | |
|---------------------------|---|
| Range of product | PacDrive 3 |
| Device short name | LXM 52 |
| Product or component type | Single drive |
| 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 |
| Component name | LXM52 |

Complementary

| | |
|---------------------------|---|
| Network number of phases | Three phase |
| [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 mm ² , AWG 18...AWG 10 (CN1) Terminal, clamping capacity: 0.75...5.3 mm ² , 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 |
| 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/s ² conforming to IEC 60721-3-3 |
| Shock resistance | 100 m/s ² 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 | 8.500 cm |
| Package 1 Width | 27.500 cm |
| Package 1 Length | 32.500 cm |
| Package 1 Weight | 2.316 kg |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 3 |
| Package 2 Height | 30.000 cm |
| Package 2 Width | 30.000 cm |
| Package 2 Length | 40.000 cm |
| Package 2 Weight | 7.719 kg |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 24 |
| Package 3 Height | 75.000 cm |
| Package 3 Width | 60.000 cm |
| Package 3 Length | 80.000 cm |
| Package 3 Weight | 67.000 kg |

Contractual warranty

| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|



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 1584

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic Yes

[EU RoHS Directive](#) Pro-active compliance (Product out of EU RoHS legal scope)

SCIP Number 3d0be293-7e12-47d2-b52f-e501202c4302

REACH Regulation [REACH Declaration](#)

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 Again

Repack and remanufacture

End of life manual availability [End of Life Information](#)

Take-back No