

# Product datasheet

Specifications



motion servo drive, Easy Lexium 16,  
single phase 200...240V 1.0kW, no  
EMC filter, Modbus

LXM16MU10M2X

## Main

Range of product	Easy Lexium 16
Product or component type	Motion servo drive
Device short name	LXM16D
Format of the drive	Compact housing
Line current	10.2 A 159.1 % at 220 V, single phase

## Complementary

Network number of phases	Single phase
[Us] rated supply voltage	220 V (- 15...10 %) for single phase
Supply voltage limits	200...240 V single phase
Supply frequency	50/60 Hz - 5...5 %
Network frequency	47.5...63 Hz
Continuous output current	7.3 A
Output current 3s peak	30 A at 220 V
Continuous power	1000 W at 220 V
Nominal power	1 kW at 220 V 8 kHz
Switching frequency	8 kHz
Overvoltage category	III
Maximum leakage current	3.5 mA
Output voltage	<= power supply voltage
Electrical isolation	Between power and control
Type of cable	1 shielded twisted pair (temperature: 0...40 °C)
Electrical connection	Spring terminal, clamping capacity: 0.2...2.5 mm <sup>2</sup> , AWG 24...AWG 12 (L, N, P+, PB, U, V, W)
Tightening torque	PE (ground): 1.4 N.m
Discrete input number	6 programmable (CN1) 2 pulse train input (PTI) (CN1)
Discrete input voltage	24 V DC for logic
Discrete input logic	Positive or negative (CN1)
Discrete output number	3 3
Discrete output type	Logic (CN1) at 12...24 V DC Pulse train output (PTO) (CN1)

<b>Discrete output voltage</b>	12...24 V DC
<b>Discrete output logic</b>	Sink (CN1)
<b>Control signal type</b>	Servo motor encoder feedback CN2
<b>Protection type</b>	Against reverse polarity: inputs signal Against short-circuits: outputs signal Against reverse polarity: outputs signal Overcurrent: motor and driver Overvoltage: driver Undervoltage: driver Overheating: driver Overload: motor and driver Overspeed: motor
<b>Connector type</b>	1 RJ45 (CN4) for Modbus RTU
<b>Physical interface</b>	Mini-B USB for Modbus Serial line slave
<b>Status LED</b>	1 LED (red) charge
<b>Signalling function</b>	Servo status and fault codes five 7-segment display units
<b>Marking</b>	CE
<b>Type of cooling</b>	Fan
<b>Operating position</b>	Vertical
<b>Product compatibility</b>	Servo motor BCH16 (100 mm, 1 motor stacks) Servo motor BCH16 (130 mm, 1 motor stacks)
<b>Width</b>	65 mm
<b>Height</b>	150 mm
<b>Depth</b>	185.2 mm
<b>Product weight</b>	1.5 kg

## Environment

<b>EMC filter</b>	Without EMC filter
<b>Electromagnetic compatibility</b>	Conducted emission - test level: level 3 category C3 conforming to IEC 61800-3
<b>Standards</b>	IEC 61800-5-1
<b>Product certifications</b>	CE
<b>IP degree of protection</b>	IP20
<b>Vibration resistance</b>	3M4 amplitude = 3 mm (f = 9...200 Hz) conforming to IEC 60721-3-3
<b>Shock resistance</b>	10 gn, type I conforming to IEC 60721-3-3
<b>Relative humidity</b>	5...95 % without condensation
<b>Ambient air temperature for operation</b>	0...40 °C (without derating) 40...55 °C (with derating factor)
<b>Ambient air temperature for storage</b>	-40...70 °C
<b>Operating altitude</b>	<= 1000 m without derating > 1000...2000 m with current derating

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	11 cm
<b>Package 1 Width</b>	20.5 cm

<b>Package 1 Length</b>	24 cm
<b>Package 1 Weight</b>	1.6 kg
<b>Unit Type of Package 2</b>	S04
<b>Number of Units in Package 2</b>	7
<b>Package 2 Height</b>	30 cm
<b>Package 2 Width</b>	40 cm
<b>Package 2 Length</b>	60 cm
<b>Package 2 Weight</b>	11.96 kg

## **Contractual warranty**

<b>Warranty (in months)</b>	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 >](#)



### Environmental footprint

Total lifecycle Carbon footprint	4 134 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	51 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.3 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	4 081 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	1 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

### Use Better



### Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	<a href="#">Compliant By Exemption</a>
REACH Regulation	<a href="#">Reference contains Substances of Very High Concern above the threshold</a>

### Use Longer



### Lifetime extension

Repair	No
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### Use Again



### Repack and remanufacture

End of life manual availability	<a href="#">End of Life Information</a>
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins