

# Product data sheet

Specifications



## motion servo drive, Lexium 28, three phase, 200 to 240V, 3kW

LXM28AU30M3X

**Product availability: Non-Stock - Not normally stocked in distribution facility**

### Main

Range of Product	Lexium 28
Device short name	LXM28A
Product or Component Type	Motion servo drive
Format of the drive	Compact housing
Line current	11.8 A 155.8 % 220 V, three phase

### Complementary

Phase	Three phase
[Us] rated supply voltage	200...240 V - 10...15 %}three phase
Supply voltage limits	200...255 V three phase
Supply frequency	50/60 Hz - 5...5 %
Network Frequency	47.5...63 Hz
EMC filter	Without EMC filter
Continuous output current	19.8 A 8 kHz
Output current 3s peak	60 A 220 V
Continuous power	3000 W 220 V
Nominal power	3 kW 220 V 8 kHz
Switching frequency	8 kHz
Overvoltage category	III
Maximum leakage current	1.6 mA
Output voltage	<= power supply voltage
Electrical isolation	Between power and control
Type of cable	Shielded motor cable 32...131 °F (0...55 °C)) copper
Electrical connection	Spring terminal 6 mm <sup>2</sup> , AWG 10 L1-L2) Spring terminal 6 mm <sup>2</sup> , AWG 10 R, S, T) Spring terminal 6 mm <sup>2</sup> , AWG 10 U, V, W, PE) Spring terminal 6 mm <sup>2</sup> , AWG 10 PA/+, PBe)
Discrete input number	8 programmable CN1) 1 pulse train input (PTI) CN1) 2 fast capture CN1) 1 safety function STO CN9)
Discrete input voltage	24 V DC logic
Discrete input logic	Positive or negative CN1)
Discrete output number	5 logic output CN1)12...24 V DC 1 pulse train output (PTO) CN1)

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

<b>Discrete output voltage</b>	12...24 V DC
<b>Discrete output logic</b>	Positive or negative CN1)
<b>Analogue input number</b>	2
<b>Absolute accuracy error</b>	0.1 %
<b>Analogue input type</b>	V_REF voltage analog input - 10...10 V 10 kOhm 14 bits T_REF voltage analog input
<b>Control signal type</b>	Servo motor encoder feedback CN2
<b>Protection type</b>	Against reverse polarity inputs signal Against short-circuits outputs signal Overcurrent motor Overvoltage motor Undervoltage motor Overheating motor Overload motor Overspeed motor
<b>Safety function</b>	STO (safe torque off), Integrated
<b>Safety level</b>	SIL 2 IEC 61800-5-2 2007 SIL 2 IEC 61508-1 2010 PL d/category 3 ISO 13849-1 2008 SIL 2 ISO 13849-1 2009/AC SIL 2 IEC 60204-1 2006 SIL 2 IEC 60204-1 2009/A1 SIL 2 IEC 60204-1 2010/AC SIL 2 IEC 62061 2012
<b>Communication interface</b>	CANopen, Integrated CANmotion, Integrated
<b>Connector type</b>	RJ45 CN4)CANopen, CANmotion
<b>Method of access</b>	Slave
<b>Transmission rate</b>	250 kbit/s 328.08...820.2 ft (100...250 m) CANopen, CANmotion 500 kbit/s 13.1...328.08 ft (4...100 m) CANopen, CANmotion 1 Mbit/s 13.1 ft (4 m) CANopen, CANmotion
<b>Number of addresses</b>	1...127 CANopen, CANmotion
<b>Physical interface</b>	RS485 Modbus Serial line slave
<b>Status LED</b>	1 LED (Red) charge 1 LED (Green) RUN 1 LED (Red) error
<b>Signalling function</b>	Servo status and fault codes five 7-segment display units
<b>Marking</b>	CSA CE CULus
<b>Type of cooling</b>	Integrated fan
<b>Operating position</b>	Vertical
<b>Product compatibility</b>	Servo motor BCH2 7.09 in (180 mm), 2 3000 W
<b>Width</b>	4.6 in (116 mm)
<b>Height</b>	9.2 in (234 mm)
<b>Depth</b>	7.3 in (186 mm)
<b>Product Weight</b>	7.05 lb(US) (3.2 kg)
<b>Supply voltage description</b>	Three phase 220 V AC 50...60 Hz
<b>Network number of phases</b>	3
<b>Drive voltage drop coefficient</b>	1
<b>Field weakening</b>	False

Continuous output current 2	19.8 A
Output current 3s peak 2	60 A 220 V
Switching frequency 2	8 kHz
Continuous output current 3	19.8 A
Output current 3s peak 3	60 A 220 V
Switching frequency 3	8 kHz
Communication interface	CANmotion Pulse train output CANopen DS402 Pulse train input
Emc filter compatibility	Type 022

## Environment

Electromagnetic compatibility	Conducted emission - test level: level 3 category C3 conforming to IEC 61800-3
Standards	IEC 61800-5-1
Product Certifications	CSA cULus CE
IP degree of protection	IP20
Vibration resistance	3M4 3 mm 9...200 Hz)IEC 60721-3-3
Shock resistance	10 gn, type I IEC 60721-3-3
Relative humidity	5...95 % without condensation
Ambient Air Temperature for Operation	32...131 °F (0...55 °C)
Ambient Air Temperature for Storage	-13...149 °F (-25...65 °C)
Operating altitude	<= 3280.84 ft (1000 m) without derating > 3280.84...6561.68 ft (> 1000...2000 m) 1 % per 100 m

## Ordering and shipping details

Category	US1PC5118262
Discount Schedule	PC51
GTIN	3606480711831
Returnability	No
Country of origin	CN

## Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	7.72 in (19.6 cm)
Package 1 Width	10.16 in (25.8 cm)
Package 1 Length	13.66 in (34.7 cm)
Package weight(Lbs)	176.25 oz (4996.67 g)



## 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

Carbon footprint (kg CO2 eq, Total Life cycle)	6700
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Environmental Disclosure	<a href="#">Product Environmental Profile</a>
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## Use Better

### Materials and Substances

Packaging made with recycled cardboard	No
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Packaging without single use plastic	No
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<a href="#">EU RoHS Directive</a>	Pro-active compliance (Product out of EU RoHS legal scope)
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California proposition 65	<b>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></b>
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PVC free	Yes
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## Use Again

### Repack and remanufacture

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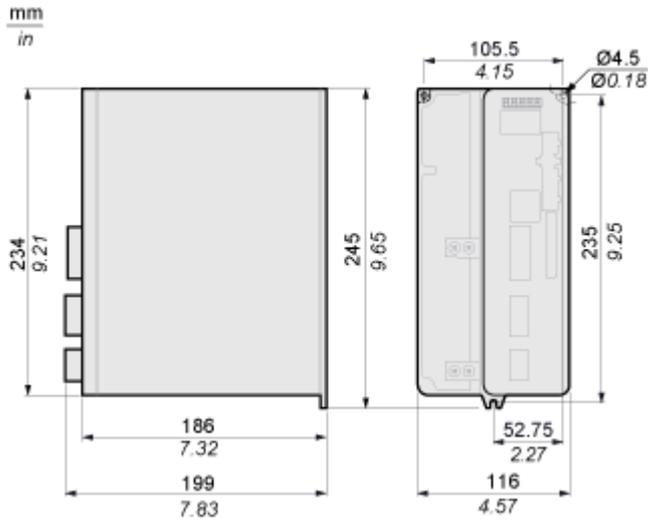
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
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Dimensions Drawings

Dimensions

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Dimensions of Drive



Mounting and Clearance

Mounting Clearance

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Mounting Distances and Air Circulation

mm  
in.

