

motion servo drive, Lexium 28, single and three phase, 200 to 240V, 750W

LXM28AU07M3X

Product availability: Stock - 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	6 A 181.8 % 220 V, single phase 6 A 160.6 % 220 V, three phase

Complementary

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Phase	Single phase Three phase	
[Us] rated supply voltage	200240 V - 1015 %)three phase 200240 V - 2015 %)single phase	
Supply voltage limits	200255 V three phase 170255 V single phase	
Supply frequency	50/60 Hz - 55 %	
Network Frequency	47.563 Hz	
EMC filter	Without EMC filter	
Continuous output current	4.5 A 16 kHz	
Output current 3s peak	13.5 A 220 V	
Continuous power	750 W 220 V	
Nominal power	0.75 kW 220 V 16 kHz	
Switching frequency	16 kHz	
Overvoltage category	III	
Maximum leakage current	1.3 mA	
Output voltage	<= power supply voltage	
Electrical isolation	Between power and control	
Type of cable	Shielded motor cable 32131 °F (055 °C)) copper	
Electrical connection	Spring terminal 0.821 mm², AWG 18 L1-L2) Spring terminal 0.821 mm², AWG 18 R, S, T) Spring terminal 0.821 mm², AWG 18 U, V, W, PE) Spring terminal 0.821 mm², AWG 18 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	

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

Discrete input logic	Positive or negative CN1)	
Discrete output number	5 logic output CN1)1224 V DC 1 pulse train output (PTO) CN1)	
Discrete output voltage	1224 V DC	
Discrete output logic	Positive or negative CN1)	
Analogue input number	2	
Absolute accuracy error	0.1 %	
Analogue input type	V_REF voltage analog input - 1010 V 10 kOhm 14 bits T_REF voltage analog input	
Control signal type	Servo motor encoder feedback CN2	
Protection type	Against reverse polarity inputs signal Against short-circuits outputs signal Overcurrent motor Overvoltage motor Undervoltage motor Overheating motor Overload motor Overspeed motor	
Safety function	STO (safe torque off), Integrated	
Safety level	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 60206-1 2012	
Communication interface	CANopen, Integrated CANmotion, Integrated	
Connector type	RJ45 CN4)CANopen, CANmotion	
Method of access	Slave	
Transmission rate	250 kbit/s 328.08820.2 ft (100250 m) CANopen, CANmotion 500 kbit/s 13.1328.08 ft (4100 m) CANopen, CANmotion 1 Mbit/s 13.1 ft (4 m) CANopen, CANmotion	
Number of addresses	1127 CANopen, CANmotion	
Physical interface	RS485 Modbus Serial line slave	
Status LED	1 LED (Red) charge 1 LED (Green) RUN 1 LED (Red) error	
Signalling function	Servo status and fault codes five 7-segment display units	
Marking	CSA CULus CE	
Type of cooling	Integrated fan	
Operating position	Vertical	
Product compatibility	Servo motor BCH2 5.1 in (130 mm), 1 500 W Servo motor BCH2 3.1 in (80 mm), 2 750 W Servo motor BCH2 5.1 in (130 mm), 1 600 W	
Width	2.2 in (55 mm)	
Height	5.9 in (150 mm)	
Depth	5.7 in (146 mm)	
Product Weight	2.2 lb(US) (1 kg)	

Supply voltage description	Three phase 220 V AC 5060 Hz
	Single phase 220 V AC 5060 Hz
Network number of phases	3
	1
Drive voltage drop coefficient	1
Field weakening	False
Continuous output current 2	4.5 A
Output current 3s peak 2	13.5 A 220 V
Switching frequency 2	16 kHz
Continuous output current 3	4.5 A
Output current 3s peak 3	13.5 A 220 V
Switching frequency 3	16 kHz
Communication interface	Pulse train output
	Pulse train input
	CANopen DS402
	CANmotion
Emc filter compatibility	Type 022
	Type 020

Environment

Electromagnetic compatibility	Conducted emission - test level: level 3 category C3 conforming to IEC 61800-3	
Standards	IEC 61800-5-1	
Product Certifications	CE cULus CSA	
IP degree of protection	IP20	
Vibration resistance	3M4 3 mm 9200 Hz)IEC 60721-3-3	
Shock resistance	10 gn, type I IEC 60721-3-3	
Relative humidity	595 % without condensation	
Ambient Air Temperature for Operation	32131 °F (055 °C)	
Ambient Air Temperature for Storage	-13149 °F (-2565 °C)	
Operating altitude	<= 3280.84 ft (1000 m) without derating > 3280.846561.68 ft (> 10002000 m) 1 % per 100 m	

Ordering and shipping details

Category	US1PC5118262
Discount Schedule	PC51
GTIN	3606480711794
Returnability	Yes
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.95 in (7.500 cm)
Package 1 Width	9.06 in (23.000 cm)

Package 1 Length	9.25 in (23.500 cm)	
Package weight(Lbs)	2.912 lb(US) (1.321 kg)	
Unit Type of Package 2	S03	
Number of Units in Package 2	5	
Package 2 Height	11.81 in (30.000 cm)	
Package 2 Width	11.81 in (30.000 cm)	
Package 2 Length	15.75 in (40.000 cm)	
Package 2 Weight	15.790 lb(US) (7.162 kg)	



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)	2064
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
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	
Circularity Profile	End of Life Information
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.

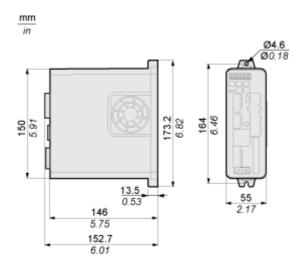
Product data sheet

LXM28AU07M3X

Dimensions Drawings

Dimensions

Dimensions of Drive



LXM28AU07M3X

Mounting and Clearance

Mounting Clearance

Mounting Distances and Air Circulation

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