

# LXM32AD72N4

motion servo drive - Lexium 32 - three-phase  
supply voltage 208/480V - 0.4 kW



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



## Main

Range of product	Lexium 32
Product or component type	Motion servo drive
Device short name	LXM32A
Format of the drive	Book
Phase	Three phase
[Us] rated supply voltage	200...240 V - 15...10 % 380...480 V - 15...10 %
Supply voltage limits	323...528 V 170...264 V
Supply frequency	50/60 Hz - 5...5 %
Network frequency	47.5...63 Hz
EMC filter	Integrated
Continuous output current	24 A 8 kHz
Output current 3s peak	72 A 5 s
Maximum continuous power	6500 W 230 V 13000 W 400 V
Nominal power	5 KW 230 V 8 kHz 7 kW 400 V 8 kHz
Line current	23.5 A 43 % 380 V, with external line choke 1 mH 19.5 A 55 % 480 V, with external line choke 1 mH 14.6 A 129 % 480 V, without line choke 21.9 A 124 % 380 V, without line choke

## Complementary

Switching frequency	8 kHz
Overtoltage category	III
Maximum leakage current	30 mA
Output voltage	<= power supply voltage
Electrical isolation	Between power and control
Type of cable	Single-strand IEC cable 122 °F (50 °C)) copper 90 °C XLPE/EPR
Electrical connection	Terminal 3 mm <sup>2</sup> , AWG 12 CN8) Terminal 5 mm <sup>2</sup> , AWG 10 CN1) Terminal 5 mm <sup>2</sup> , AWG 10 CN10)
Tightening torque	CN8 4.43 lbf.in (0.5 N.m) CN1 6.20 lbf.in (0.7 N.m) CN10 6.20 lbf.in (0.7 N.m)
Discrete input number	1 capture 2 safety 4 logic
Discrete input type	Capture CAP Logic DI Safety compliment of STO_A, compliment of STO_B
Sampling duration	DI 0.25 ms discrete
Discrete input voltage	24 V DC capture 24 V DC logic 24 V DC safety
Discrete input logic	Positive compliment of STO_A, compliment of STO_B) < 5 V > 15 V EN/IEC 61131-2 type 1 Positive DI) > 19 V < 9 V EN/IEC 61131-2 type 1 Positive or negative DI) < 5 V > 15 V EN/IEC 61131-2 type 1

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Response time	<= 5 ms compliment of STO_A, compliment of STO_B
Discrete output number	2
Discrete output type	Logic DO)24 V DC
Discrete output voltage	<= 30 V DC
Discrete output logic	Positive or negative DO)EN/IEC 61131-2
Contact bounce time	<= 1 ms compliment of STO_A, compliment of STO_B 2 µs CAP 0.25 µs...1.5 ms DI
Braking current	50 mA
Response time on output	250 µs DO)discrete
Control signal type	Servo motor encoder feedback
Protection type	Against reverse polarity inputs signal Against short-circuits outputs signal
Safety function	STO (safe torque off), integrated
Safety level	SIL 3 EN/IEC 61508 PL = e ISO 13849-1
Communication interface	CANmotion, integrated CANopen, integrated Modbus, integrated
Connector type	RJ45 (labelled CN4 or CN5) CANmotion RJ45 (labelled CN4 or CN5) CANopen RJ45 (labelled CN7) Modbus
Method of access	Slave
Commissioning port	2-wire RS485 multidrop Modbus
Transmission rate	1 Mbps 13.12 ft (4 m) CANopen, CANmotion 125 kbps 1640.42 ft (500 m) CANopen, CANmotion 250 kbps 820.21 ft (250 m) CANopen, CANmotion 50 kbps 3280.84 ft (1000 m) CANopen, CANmotion 500 kbps 328.08 ft (100 m) CANopen, CANmotion 9600, 19200, 38400 bps 131.23 ft (40 m) Modbus
Number of addresses	1...127 CANopen, CANmotion 1...247 Modbus
Communication service	1 receive SDO CANmotion 1 transmit SDO CANmotion 2 PDOs conforming to DSP 402 CANmotion 2 SDOs receive CANopen 2 SDOs send CANopen 4 configurable mapping PDOs CANopen CANopen device profile drives and motion control CANopen, CANmotion Display of faults on integrated display terminal Modbus Emergency CANopen, CANmotion Event-triggered, time-triggered, remotely requested, sync (cyclic), sync(acyclic) CANopen Node guarding, heartbeat CANopen Position control mode CANmotion Position control, speed profile, torque profile and homing mode CANopen Sync CANmotion
Status LED	Servo drive voltage 1 LED red) Error 1 LED RUN 1 LED
Signalling function	Display of faults 7 segments
Marking	CE
Operating position	Vertical +/- 10 degree
Product compatibility	Servo motor BMH 5.51 in (140 mm), 2 Servo motor BMH 5.51 in (140 mm), 3 Servo motor BMH 7.48 in (190 mm), 1 Servo motor BMH 7.48 in (190 mm), 2 Servo motor BMH 7.48 in (190 mm), 3 Servo motor BMH 8.07 in (205 mm), 3 Servo motor BSH 5.51 in (140 mm), 2 Servo motor BSH 5.51 in (140 mm), 3 Servo motor BSH 5.51 in (140 mm), 4
Width	4.25 in (108 mm)
Height	10.63 in (270 mm)
Depth	9.33 in (237 mm)
Net weight	10.58 lb(US) (4.8 kg)

## Environment

Electromagnetic compatibility	Conducted EMC, class A group 1 EN 55011 Conducted EMC, class A group 2 EN 55011 Conducted EMC, environment 2 category C3 EN/IEC 61800-3 Conducted EMC, category C2 EN/IEC 61800-3 Conducted EMC, environments 1 and 2 EN/IEC 61800-3 Electrostatic discharge immunity test, level 3 EN/IEC 61000-4-2 Susceptibility to electromagnetic fields, level 3 EN/IEC 61000-4-3 1.2/50 µs shock waves immunity test, level 3 EN/IEC 61000-4-5 Electrical fast transient/burst immunity test, level 4 EN/IEC 61000-4-4 Radiated EMC, class A group 2 EN 55011 Radiated EMC, category C3 EN/IEC 61800-3
Standards	EN/IEC 61800-3 EN/IEC 61800-5-1
Product certifications	CSA TÜV RoHS UL
IP degree of protection	IP20 EN/IEC 60529 IP20 EN/IEC 61800-5-1
Vibration resistance	1 gn 13...150 Hz)EN/IEC 60068-2-6 1.5 mm peak to peak 3...13 Hz)EN/IEC 60068-2-6
Shock resistance	15 gn 11 ms EN/IEC 60028-2-27
Pollution degree	2 EN/IEC 61800-5-1
Environmental characteristic	Classes 3C1 IEC 60721-3-3
Relative humidity	Class 3K3 (5 to 85 %) without condensation IEC 60721-3-3
Ambient air temperature for operation	32...122 °F (0...50 °C) UL
Ambient air temperature for storage	-13...158 °F (-25...70 °C)
Type of cooling	Integrated fan
Operating altitude	<= 3280.84 ft (1000 m) without > 3280.84...9842.52 ft (> 1000...3000 m) with conditions

## Ordering and shipping details

Category	18261 - LEXIUM 32 SERVO DRIVES II
Discount Schedule	PC51
GTIN	00785901672968
Package weight(Lbs)	5.55 kg (12.24 lb(US))
Returnability	No
Country of origin	ID

## Offer Sustainability

Sustainable offer status	Green Premium product
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 Carcinogen & Reproductive harm. For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

## Contractual warranty

Warranty	18 months
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