

# LXM32CD30N4

motion servo drive - Lexium 32 - three-phase  
supply voltage 208/480V - 3 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	LXM32C
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	170...264 V 323...528 V
Supply frequency	50/60 Hz - 5...5 %
Network frequency	47.5...63 Hz
EMC filter	Integrated
Continuous output current	10 A 8 kHz
Output current 3s peak	30 A 5 s
Maximum continuous power	2600 W 230 V 5600 W 400 V
Nominal power	2 KW 230 V 8 kHz 3 kW 400 V 8 kHz
Line current	11.6 A 74 % 380 V, with external line choke 1 mH 9.6 A 85 % 480 V, with external line choke 1 mH 7 A 152 % 480 V, without line choke 9.8 A 146 % 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	2 safety 6 logic
Discrete input type	Logic DI Safety compliment of STO_A, compliment of STO_B
Sampling duration	ANA1+/ANA1-, ANA2+/ANA2- 0.25 ms analog DI 0.25 ms discrete
Discrete input voltage	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
Response time	<= 5 ms compliment of STO_A, compliment of STO_B
Discrete output number	5

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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 0.25 µs...1.5 ms DI
Braking current	50 mA
Analogue input number	2
Response time on output	250 µs DO)discrete
Absolute accuracy error	< +/- 0.5 %
Linearity error	< +/- 0.1 %
Analogue input type	ANA1+/ANA1-, ANA2+/ANA2- analog input differential +/- 10 V >= 20 Ohm 14 bits
Control signal type	Servo motor encoder feedback Pulse train output (PTO) RS422 <500 kHz <328.08 ft (100 m) Pulse/Direction (P/D), A/B, CW/CCW 5 V, 24 V link (open collector) <10 kHz <3.28 ft (1 m) Pulse/Direction (P/D), A/B, CW/CCW 5 V, 24 V link (push-pull) <200 kHz <32.81 ft (10 m) Pulse/direction (P/D), A/B, CW/CCW RS422 <1000 kHz <328.08 ft (100 m)
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	Modbus, integrated
Connector type	RJ45 (labelled CN7) Modbus
Commissioning port	2-wire RS485 multidrop Modbus
Transmission rate	9600, 19200, 38400 bps 131.23 ft (40 m) Modbus
Number of addresses	1...247 Modbus
Status LED	Servo drive voltage 1 LED red)
Signalling function	Display of faults 7 segments
Marking	CE
Operating position	Vertical +/- 10 degree
Product compatibility	Servo motor BMH 3.94 in (100 mm), 3 Servo motor BMH 5.51 in (140 mm), 1 Servo motor BSH 3.94 in (100 mm), 3 Servo motor BSH 3.94 in (100 mm), 4 Servo motor BSH 5.51 in (140 mm), 1
Width	2.68 in (68 mm)
Height	10.63 in (270 mm)
Depth	9.33 in (237 mm)
Product weight	5.73 lb(US) (2.6 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	UL RoHS TÜV CSA
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	00785901672814
Package weight(Lbs)	3.23 kg (7.11 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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