Product data sheet
Characteristics

LXM32CD18M2
motion servo drive - Lexium 32 - single phase supply voltage 115/230V - 0.5/1kW

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	Single phase
[Us] rated supply voltage	100...120 V - 15...10 % 200...240 V - 15...10 %
Supply voltage limits	170…264 V 85…132 V
Supply frequency	50/60 Hz - 5...5 %
Network frequency	47.5...63 Hz
EMC filter	Integrated
Continuous output current	6 A 8 kHz
Output current 3s peak	10 A 115 V 5 s 18 A 230 V 5 s
Maximum continuous power	500 W 115 V 1600 W 230 V
Nominal power	0.5 KW 115 V 8 kHz 1 kW 230 V 8 kHz
Line current	9.9 A 74 % 115 V, with external line choke 2 mH 10.6 A 93 % 230 V, with external line choke 2 mH 8.5 A 147 % 115 V, without line choke 8.4 A 148 % 230 V, without line choke

Complementary

Switching frequency	8 kHz
Overvoltage 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 mm², AWG 12 CN8) Terminal 5 mm², AWG 10 CN1) Terminal 5 mm², 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

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Discrete output number	5
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 2.76 in (70 mm), 1 Servo motor BMH 2.76 in (70 mm), 2 Servo motor BMH 3.94 in (100 mm), 1 Servo motor BSH 2.76 in (70 mm), 1 Servo motor BSH 2.76 in (70 mm), 2 Servo motor BMH 2.76 in (70 mm), 3 Servo motor BSH 2.17 in (55 mm), 3 Servo motor BSH 2.76 in (70 mm), 3 Servo motor BSH 3.94 in (100 mm), 1
Width	1.89 in (48 mm)
Height	10.63 in (270 mm)
Depth	9.33 in (237 mm)
Net weight	3.97 lb(US) (1.8 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 61800-5-1 EN/IEC 61800-3
Product certifications	UL TÜV RoHS 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	00785901672661
Package weight(Lbs)	2.24 kg (4.94 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 www.p65warnings.ca.gov
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
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