

LXM32MD12N4

motion servo drive - Lexium 32 - three-phase
supply voltage 208/480V - 0.9 kW

Product availability : Stock - Normally stocked in distribution facility



Price* : 1327.88 USD



Main

Range of product	Lexium 32
Product or component type	Motion servo drive
Device short name	LXM32M
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	3 A (f = 8 kHz)
Output current 3s peak	12 A for 5 s 18 A at 230 V for 5 s
Continuous power	800 W at 230 V 1600 W at 230 V
Nominal power	0.7 kW at 230 V (f = 8 kHz) 1 kW at 230 V (f = 8 kHz)
Line current	2.4 A, THDI of 182 % at 480 V, without line choke 8.4 A, THDI of 148 % at 230 V, without line choke 9.9 A, THDI of 74 % at 115 V, with external line choke of 2 mH 10.6 A, THDI of 93 % at 230 V, with external line choke of 2 mH

Complementary

Switching frequency	8 kHz
Overvoltage category	III
Leakage current	< 30 mA

Output voltage	<= power supply voltage
Electrical isolation	Between power and control
Type of cable	Single-strand IEC cable (for $\theta = 122\text{ }^{\circ}\text{F}$ ($50\text{ }^{\circ}\text{C}$)) conductor material: copper $90\text{ }^{\circ}\text{C}$,wire insulation material: XLPE/EPR
Electrical connection	Terminal cable 3 mm ² AWG 12 (CN8) Terminal cable 5 mm ² AWG 10 (CN1) Terminal cable 5 mm ² AWG 10 (U/T1, V/T2, W/T3)
Tightening torque	4.42 lbf.in (0.5 N.m) (CN8) 6.19 lbf.in (0.7 N.m) (CN1) 6.19 lbf.in (0.7 N.m) (U/T1, V/T2, W/T3)
Discrete input number	2 capture 2 safety 4 logic
Discrete input type	Capture (CAP) Logic (DI) Safety (compliment of STO_A, compliment of STO_B)
Sampling duration	0.25 ms 0.25 ms (DI) 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) at State 0: < 5 V at State 1: > 15 V conforming to EN/IEC 61131-2 type 1 Positive (DI) at State 0: > 19 V at State 1: < 9 V conforming to EN/IEC 61131-2 type 1 Positive or negative (DI) at State 0: < 5 V at State 1: > 15 V conforming to EN/IEC 61131-2 type 1
Response time	<= 5 ms (compliment of STO_A, compliment of STO_B)
Discrete output number	3
Discrete output type	Logic (DO) 24 V DC
Discrete output voltage	<= 30 V DC
Discrete output logic	Positive or negative (DO) conforming to 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 Pulse train output (PTO) :RS422 (f = <= 500 kHz) (cable length: 328.08 ft (100 m)) Pulse/Direction (P/D), A/B, CW/CCW :5 V, 24 V link (open collector) (f = <= 10 kHz) (cable length: 3.28 ft (1 m)) Pulse/Direction (P/D), A/B, CW/CCW :5 V, 24 V link (push-pull) (f = <= 200 kHz) (cable length: 32.81 ft (10 m)) Pulse/Direction (P/D), A/B, CW/CCW :RS422 (f = <= 1000 kHz) (cable length: 328.08 ft (100 m))
Protection type	Against reverse polarity :inputs signal Against short-circuits :outputs signal
Safety function	STO (safe torque off), integrated SS1 (safe stop 1), with separated eSM safety card SS2 (safe stop 2), with separated eSM safety card SLS (safe limited speed), with separated eSM safety card SOS (safe operating stop), with separated eSM safety card
Safety level	SIL 3 conforming to EN/IEC 61508 PL = e conforming to ISO 13849-1
Communication interface	Integrated Modbus With separated communication card CANopen With separated communication card CANmotion With separated communication card Ethernet/IP With separated communication card EtherCAT With separated communication card Profibus With separated communication card DeviceNet With separated communication card I/O
Type of connector	RJ45 (labelled CN7) :Modbus
Physical interface	2-wire RS485 multidrop Modbus
Transmission rate	9600, 19200, 38400 bps for bus length of <= 131.23 ft (40 m) Modbus
Number of addresses	1...247 Modbus
Status LED	1 LED (red) servo drive voltage

Signalling function	Display of faults in 7 segments
Marking	CE
Operating position	Vertical +/- 10 degree
Product compatibility	Servo motor BMH (2.76 in (70 mm), 1 motor stacks) Servo motor BMH (2.76 in (70 mm), 2 motor stacks) Servo motor BMH (2.76 in (70 mm), 3 motor stacks) Servo motor BMH (3.94 in (100 mm), 1 motor stacks) Servo motor BSH (2.17 in (55 mm), 3 motor stacks) Servo motor BSH (2.76 in (70 mm), 1 motor stacks) Servo motor BSH (2.76 in (70 mm), 2 motor stacks) Servo motor BSH (2.76 in (70 mm), 3 motor stacks) Servo motor BSH (3.94 in (100 mm), 1 motor stacks)
Width	2.68 in (68 mm)
Height	10.63 in (270 mm)
Depth	9.33 in (237 mm)
Product weight	4.19 lb(US) (1.9 kg)

Environment

Electromagnetic compatibility	Conducted EMC at class A group 1 conforming to EN 55011 Conducted EMC at class A group 2 conforming to EN 55011 Conducted EMC at environment 2 category C3 conforming to EN/IEC 61800-3 Conducted EMC at category C2 conforming to EN/IEC 61800-3 Conducted EMC at environments 1 and 2 conforming to EN/IEC 61800-3 Electrostatic discharge immunity test at level 3 conforming to EN/IEC 61000-4-2 Susceptibility to electromagnetic fields at level 3 conforming to EN/IEC 61000-4-3 1.2/50 µs shock waves immunity test at level 3 conforming to EN/IEC 61000-4-5 Electrical fast transient/burst immunity test at level 4 conforming to EN/IEC 61000-4-4 Radiated EMC at class A group 2 conforming to EN 55011 Radiated EMC at category C3 conforming to EN/IEC 61800-3
Standards	EN/IEC 61800-3 EN/IEC 61800-5-1
Product certifications	CSA RoHS TÜV UL
IP degree of protection	IP20 conforming to EN/IEC 60529 IP20 conforming to EN/IEC 61800-5-1
Vibration resistance	1.5 mm peak to peak (f = 3...13 Hz) conforming to EN/IEC 60068-2-6 1 gn (f = 13...150 Hz) conforming to EN/IEC 60068-2-6
Shock resistance	15 gn 11 ms conforming to EN/IEC 60028-2-27
Pollution degree	2 conforming to EN/IEC 61800-5-1
Environmental characteristic	Classes 3C1 conforming to IEC 60721-3-3
Relative humidity	Class 3K3 (5 to 85 %) without condensation conforming to IEC 60721-3-3
Ambient air temperature for operation	32...122 °F (0...50 °C) conforming to 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 derating > 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	00785901103943
Nbr. of units in pkg.	1
Package weight(Lbs)	5.4000000000000004
Returnability	Y
Country of origin	ID

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0930 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months
-----------------	-----------