

LXM32MD72N4

Motion servo drive, Lexium 32, three phase
supply voltage 208/480 V, 7 kW



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	24 A 8 kHz
Output current 3s peak	72 A 5 s
Maximum continuous power	6500 W 230 V
Nominal power	5 KW 230 V 8 kHz 7 kW 400 V
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

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 mm ² , AWG 12 CN8)
Tightening torque	CN8 4.43 lbf.in (0.5 N.m)
Discrete input number	2 capture
Discrete input type	Capture CAP
Sampling duration	0.25 ms
Discrete input voltage	24 V DC capture
Discrete input logic	Positive compliment of STO_A, compliment of STO_B) < 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	3
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
Braking current	50 mA
Response time on output	250 µs DO)discrete
Control signal type	Pulse train output (PTO) RS422 <500 kHz <328.08 ft (100 m)
Protection type	Against reverse polarity inputs signal

Safety function	STO (safe torque off), Integrated
Safety level	SIL 3 EN/IEC 61508
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 5.51 in (140 mm), 2
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
Standards	EN/IEC 61800-3
Product certifications	CSA
IP degree of protection	IP20 EN/IEC 60529
Vibration resistance	1 gn 13...150 Hz)EN/IEC 60068-2-6
Shock resistance	15 gn 11 ms EN/IEC 60028-2-27
Pollution degree	2 conforming to 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	<= 1000 m without derating

Ordering and shipping details

Category	18261 - LEXIUM 32 SERVO DRIVES II
Discount Schedule	PC51
GTIN	00785901672982
Nbr. of units in pkg.	1
Package weight(Lbs)	1 lb(US) (0.45 kg)
Returnability	No
Country of origin	ID

Packing Units

Package 1 Height	1.420 dm
Package 1 width	2.760 dm
Package 1 Length	3.250 dm

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 cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
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.
PVC free	Yes

Contractual warranty

Warranty	18 months
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