Podatkovni list proizvoda
Karakteristike

LXM32AD30M2
servopogon za pokretanje–Lexium 32–jednofazni napon napaj. 115/230 V–0,8/1,6 kW

Glavno

Range of product	Lexium 32
Product or component type	Motion servo drive
Device short name	LXM32A
Format of the drive	Book
Network number of phases	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	10 A (f = 8 kHz)
Output current 3s peak	15 A at 115 V for 5 s 30 A at 230 V for 5 s
Continuous power	800 W at 115 V 2200 W at 230 V
Nominal power	0.8 kW at 115 V (f = 8 kHz) 1.6 kW at 230 V (f = 8 kHz)
Line current	12.9 A, THDI of 135 % at 115 V, without line choke 12.7 A, THDI of 135 % at 230 V, without line choke 9.9 A, THDI of 72 % at 115 V, with external line choke of 2 mH 14.1 A, THDI of 86 % at 230 V, with external line choke of 2 mH

Komplementarno

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 θ = 50 °C) conductor material: copper 90 °C ,wire insulation material: XLPE/EPR
Electrical connection	Terminal cable 3 mm² AWG 12 (CN8) Terminal cable 5 mm² AWG 10 (CN1) Terminal cable 5 mm² AWG 10 (CN10)
Tightening torque	0.5 N.m (CN8) 0.7 N.m (CN1) 0.7 N.m (CN10)
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	0.25 ms (DI) for discrete
Discrete input voltage	24 V DC for capture 24 V DC for logic 24 V DC for 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	2
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
Protection type	Against reverse polarity :inputs signal Against short-circuits :outputs signal
Safety function	STO (safe torque off), integrated
Safety level	SIL 3 conforming to EN/IEC 61508 PL = e conforming to ISO 13849-1
Communication interface	Integrated CANopen Integrated Modbus Integrated CANmotion
Connector type	RJ45 (labelled CN4 or CN5) :CANmotion RJ45 (labelled CN4 or CN5) :CANopen RJ45 (labelled CN7) :Modbus
Method of access	Slave
Physical interface	2-wire RS485 multidrop Modbus
Transmission rate	1 Mbps for bus length of <= 4 m CANopen, CANmotion 125 kbps for bus length of <= 500 m CANopen, CANmotion 250 kbps for bus length of <= 250 m CANopen, CANmotion 50 kbps for bus length of <= 1000 m CANopen, CANmotion 500 kbps for bus length of <= 100 m CANopen, CANmotion 9600, 19200, 38400 bps for bus length of <= 40 m Modbus
Number of addresses	1...247 Modbus 1...127 CANopen, CANmotion
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	1 LED error 1 LED RUN 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 (70 mm, 2 motor stacks) Servo motor BMH (70 mm, 3 motor stacks) Servo motor BMH (100 mm, 1 motor stacks) Servo motor BMH (100 mm, 2 motor stacks) Servo motor BMH (100 mm, 3 motor stacks) Servo motor BMH (140 mm, 1 motor stacks) Servo motor BSH (70 mm, 2 motor stacks) Servo motor BSH (100 mm, 1 motor stacks) Servo motor BSH (100 mm, 2 motor stacks)
Width	68 mm
Height	270 mm

Depth	237 mm
Product weight	2 kg

Okolina

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 for 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	0...50 °C conforming to UL
ambient air temperature for storage	-25...70 °C
type of cooling	Integrated fan
operating altitude	<= 1000 m without derating > 1000...3000 m with conditions

Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 0930 - Schneider Electric declaration of conformity	Compliant - since 0930 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Available	Available

Contractual warranty

Warranty period	18 months