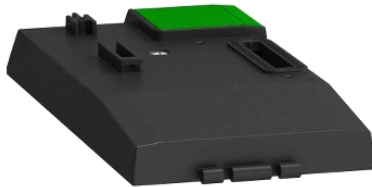


## LXM32ICAN

control unit LXM32i - CANopen/CANmotion for  
Lexium 32i



### Main

Range of product	Lexium 32i
Product or component type	Control unit
Device short name	LXM32i
Format of the drive	Board
Discrete input number	2 safety discrete input(s) 4 logic discrete input(s)
Discrete input type	Safety for compliment of STO_A, compliment of STO_B Logic for DI

### Complementary

Sampling duration	0.25 ms for DI (discrete)
Discrete input voltage	24 V DC (capture) 24 V DC (logic) 24 V DC (safety)
Discrete input logic	Positive for compliment of STO_A, compliment of STO_B, voltage (state 0): < 5 V, voltage (state 1): > 15 V conforming to EN/IEC 61131-2 type 1 Positive for DI, voltage (state 0): > 19 V, voltage (state 1): < 9 V conforming to EN/IEC 61131-2 type 1 Positive or negative for DI, voltage (state 0): < 5 V, voltage (state 1): > 15 V conforming to EN/IEC 61131-2 type 1
Response time	<= 5 ms for compliment of STO_A, compliment of STO_B
Discrete output number	2
Discrete output type	Logic for DO at 24 V DC
Discrete output voltage	<= 30 V DC
Discrete output logic	Positive or negative for DO conforming to EN/IEC 61131-2
Contact bounce time	<= 1 ms for compliment of STO_A, compliment of STO_B 0.25 µs...1.5 ms for DI
Braking current	50 mA
Response time on output	250 µs for DO (discrete)
Control signal type	Servo motor encoder feedback
Protection type	Against reverse polarity for inputs signal Against short-circuits for outputs signal
Safety function	Integrated safe torque off safety function
Safety level	SIL 3 conforming to EN/IEC 61508 PL = e conforming to ISO 13849-1
Communication interface	Integrated CANmotion Integrated CANopen DS402
Connector type	RJ45 Modbus M12 CANmotion M12 CANopen
Method of access	Slave
Physical interface	2-wire RS485 multidrop Modbus
Transmission rate	9600, 19200, 38400 bps 0...40 m (Modbus)
Number of addresses	1...247 Modbus 1...127 CANopen, CANmotion
Status LED	1 LED for error function 1 LED (red) for servo drive voltage function

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

1 LED for RUN function

Electromagnetic compatibility	Conducted EMC conforming to EN 55011 class A group 1 Conducted EMC conforming to EN 55011 class A group 2 Conducted EMC conforming to EN/IEC 61800-3 environment 2 category C3 Conducted EMC conforming to IEC/EN 61800-3 category C2 EMC immunity conforming to IEC/EN 61800-3 environments 1 and 2 Radiated EMC conforming to EN 55011 class A group 2 Radiated EMC conforming to IEC/EN 61800-3 category C3 EMC immunity - test level 3 conforming to EN/IEC 61000-4-2 EMC immunity - test level 3 conforming to EN/IEC 61000-4-3 EMC immunity - test level 3 conforming to EN/IEC 61000-4-5 EMC immunity - test level 4 conforming to EN/IEC 61000-4-4
Type of cooling	Natural convection
Operating altitude	<= 1000 m without derating > 1000...3000 m with conditions
Operating position	Vertical +/- 10 degree
Product weight	0.636 kg

## Environment

standards	EN/IEC 61800-3 EN/IEC 61800-5-1
product certifications	CSA RoHS TÜV UL
marking	CE
IP degree of protection	IP65
vibration resistance	1 gn (f= 13...150 Hz) conforming to EN/IEC 60068-2-6 1.5 mm peak to peak (f= 3...13 Hz) conforming to EN/IEC 60068-2-6
shock resistance	15 gn at 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

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1301 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available