

# Product data sheet

Specifications



## Control unit, Lexium 32i, LXM32i, CANopen/CANmotion

LXM32ICAN

**Product availability: Stock - Normally stocked in distribution facility**

### 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 4 logic
Discrete input type	Safety compliment of STO_A, compliment of STO_B Logic DI

### Complementary

Sampling duration	DI 0.25 ms 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) $< 5 V > 15 V$ IEC 61131-2 Type 1 Positive DI) $> 19 V < 9 V$ IEC 61131-2 Type 1 Positive or negative DI) $< 5 V > 15 V$ IEC 61131-2 Type 1
Response time	$\leq 5$ ms compliment of STO_A, compliment of STO_B
Discrete output number	2
Discrete output type	Logic DO)24 V DC
Discrete output voltage	$\leq 30$ V DC
Discrete output logic	Positive or negative DO)IEC 61131-2
Contact bounce time	$\leq 1$ ms compliment of STO_A, compliment of STO_B 0.25 $\mu$ s...1.5 ms DI
Braking current	50 mA
Response time on output	250 $\mu$ s DO)discrete
Control signal type	Servo motor encoder feedback
Protection type	Against reverse polarity inputs signal Against short-circuits outputs signal
Safety function	Safe torque off safety function, Integrated
Safety level	SIL 3 IEC 61508 PL = e ISO 13849-1
Communication interface	CANmotion, Integrated CANopen DS402, Integrated
Connector type	M12 CANmotion M12 CANopen RJ45 Modbus

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<b>Method of access</b>	Slave
<b>Physical interface</b>	2-wire RS485 multidrop Modbus
<b>Transmission rate</b>	9600, 19200, 38400 bps 0...131.2 ft (0...40 m) Modbus
<b>Number of addresses</b>	1...127 CANopen, CANmotion 1...247 Modbus
<b>Status LED</b>	1 LED (Red) servo drive voltage 1 LED error 1 LED RUN
<b>Electromagnetic compatibility</b>	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 EMC immunity level 3 conforming to IEC 61000-4-2 EMC immunity level 3 conforming to IEC 61000-4-3 EMC immunity level 3 conforming to IEC 61000-4-5 EMC immunity level 4 conforming to IEC 61000-4-4 Radiated EMC conforming to EN 55011 class A group 2 Radiated EMC conforming to IEC/EN 61800-3 category C3
<b>type of cooling</b>	Natural convection
<b>Operating altitude</b>	<= 3280.84 ft (1000 m) without derating > 3280.84...9842.52 ft (> 1000...3000 m) with conditions
<b>Operating position</b>	Vertical +/- 10 degree
<b>Net Weight</b>	1.402 lb(US) (0.636 kg)

## Environment

<b>Standards</b>	IEC 61800-5-1 IEC 61800-3
<b>Product Certifications</b>	CSA TÜV UL
<b>Marking</b>	CE
<b>IP degree of protection</b>	IP65
<b>Vibration resistance</b>	1 gn (f= 13...150 Hz) conforming to IEC 60068-2-6 1.5 mm peak to peak (f= 3...13 Hz) conforming to IEC 60068-2-6
<b>Shock resistance</b>	15 gn 11 ms IEC 60028-2-27
<b>Pollution degree</b>	2 IEC 61800-5-1
<b>Environmental characteristic</b>	Classes 3C1 conforming to IEC 60721-3-3
<b>Relative humidity</b>	Class 3K3 (5 to 85 %) without condensation IEC 60721-3-3
<b>Ambient air temperature for operation</b>	32...122 °F (0...50 °C) UL
<b>Ambient Air Temperature for Storage</b>	-13...158 °F (-25...70 °C)

## Ordering and shipping details

<b>Category</b>	US1PC5618287
<b>Discount Schedule</b>	PC56
<b>GTIN</b>	3606480620171
<b>Returnability</b>	Yes
<b>Country of origin</b>	ID

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	2.87 in (7.300 cm)
<b>Package 1 Width</b>	6.85 in (17.400 cm)
<b>Package 1 Length</b>	9.25 in (23.500 cm)
<b>Package weight(Lbs)</b>	22.434 oz (636.000 g)
<b>Unit Type of Package 2</b>	P12
<b>Number of Units in Package 2</b>	136
<b>Package 2 Height</b>	29.53 in (75.000 cm)
<b>Package 2 Width</b>	31.50 in (80.000 cm)
<b>Package 2 Length</b>	47.24 in (120.000 cm)
<b>Package 2 Weight</b>	229.281 lb(US) (104.000 kg)

## Contractual warranty

<b>Warranty</b>	18 months
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## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Use Better

 <b>Materials and Substances</b>	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No

### Use Again

 <b>Repack and remanufacture</b>	
Take-back	No