Product data sheet

Specifications



Control unit, Lexium 32i, LXM32i, EtherCAT

LXM32IECT

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	<= 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)IEC 61131-2
Contact bounce time	<= 1 ms compliment of STO_A, compliment of STO_B 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	Safe torque off safety function, Integrated
Safety level	SIL 3 IEC 61508 PL = e ISO 13849-1
Communication interface	EtherCAT, Integrated
Connector type	RJ45 Modbus M12 EtherCAT
Method of access	Slave

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

Disclaimer: 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

Physical interface	2-wire RS485 multidrop Modbus
Transmission rate	9600, 19200, 38400 bps 0…131.2 ft (0…40 m) Modbus
Number of addresses	1…127 CANopen, CANmotion 1…247 Modbus
Status LED	1 LED (Red) servo drive voltage 1 LED error 1 LED RUN
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 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
Type of cooling	Natural convection
Operating altitude	<= 3280.84 ft (1000 m) without derating > 3280.84...9842.52 ft (> 1000...3000 m) with conditions
Operating position	Vertical +/- 10 degree
Net Weight	1.404 lb(US) (0.637 kg)

Environment

Standards	IEC 61800-3 IEC 61800-5-1
Product Certifications	TÜV CSA UL
Marking	CE
IP degree of protection	IP65
Vibration resistance	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
Shock resistance	15 gn 11 ms IEC 60028-2-27
Pollution degree	2 IEC 61800-5-1
Environmental characteristic	Classes 3C1 conforming to 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)

Ordering and shipping details

Category	US1PC5618287
Discount Schedule	PC56
GTIN	3606480620164
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE

Nbr. of units in pkg.	1
Package 1 Height	2.874 in (7.300 cm)
Package 1 Width	6.693 in (17.000 cm)
Package 1 Length	9.252 in (23.500 cm)
Package weight(Lbs)	22.751 oz (645.000 g)
Unit Type of Package 2	S04
Number of Units in Package 2	17
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	15.748 in (40.000 cm)
Package 2 Length	23.622 in (60.000 cm)
Package 2 Weight	26.672 lb(US) (12.098 kg)
Unit Type of Package 3	P12
Number of Units in Package 3	68
Package 3 Height	17.717 in (45.000 cm)
Package 3 Width	31.496 in (80.000 cm)
Package 3 Length	47.244 in (120.000 cm)
Package 3 Weight	134.244 lb(US) (60.892 kg)

Contractual warranty

Warranty (in months)	18

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

Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	No

Use Again

Repack and remanufacture

Take-back	No