

# Product data sheet

Specifications



## Modicon ETB - Block 12I/4O Modbus TCP/IP

ETB1EM12E04SPP0

⚠ Discontinued on: Dec 31, 2021

⚠ End-of-service on: Jun 30, 2023

⚠ Discontinued

### Main

Range Of Product	Modicon ETB
Product Or Component Type	I/O distributed module
Number Of Input Channels	12
Number Of Output Channels	4
Module Type	Modbus TCP/IP

### Complementary

Input Type	Contact
Input Logic	Positive
Maximum Delay Response	2.5 ms
Output Current	2 A per module 8 A per output
Output Protection Type	Against short-circuits
Switching Frequency	200 Hz
Short-Circuit Current	6.5 A
[Us] Rated Supply Voltage	24 V DC
Connector Type	M12
Standards	IEC 60068-2-8 IEC 60529

### Environment

Ip Degree Of Protection	IP67
Ambient Air Temperature For Operation	-25...70 °C
Ambient Air Temperature For Storage	-40...85 °C
Vibration Resistance	10 gn

### Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	4.1 cm
Package 1 Width	6.2 cm
Package 1 Length	22.5 cm

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

Package 1 Weight	570.0 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	30
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	17.1 kg

## Contractual warranty

Warranty	18 months
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

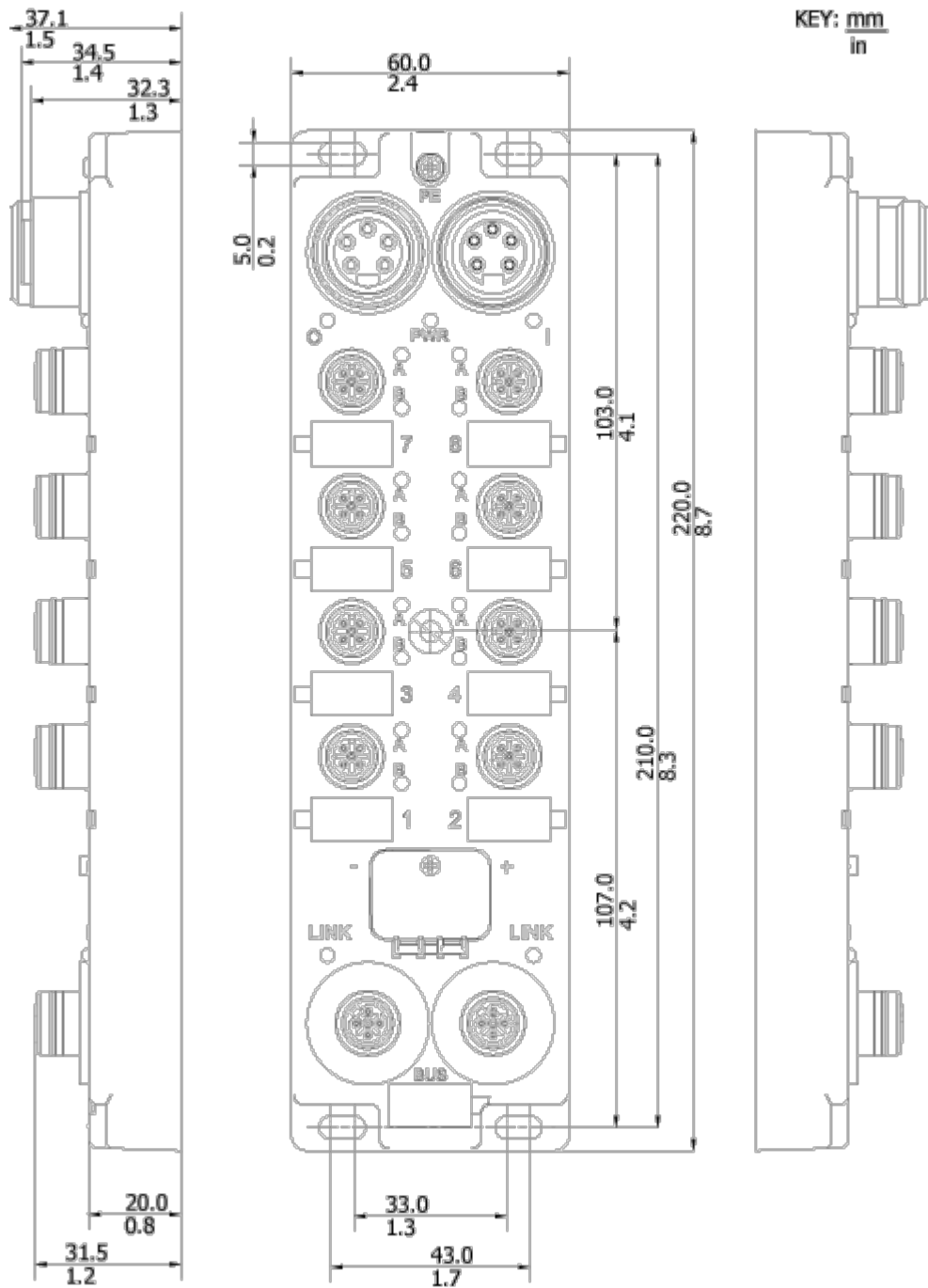
[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
China Rohs Regulation	<a href="#">China RoHS declaration</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
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 <a href="#">www.P65Warnings.ca.gov</a>

Dimensions Drawings

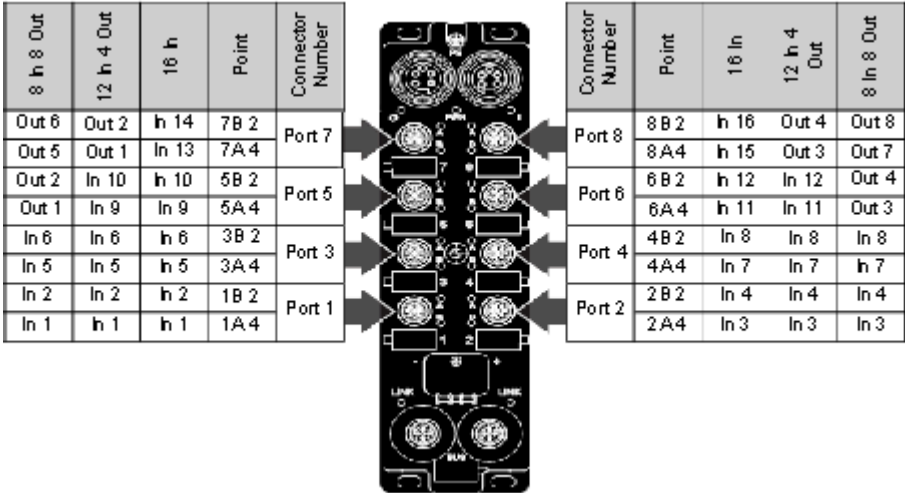
Dimensions



Connections and Schema

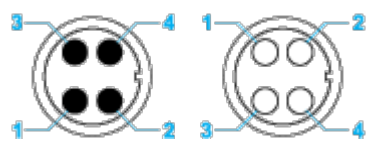
I/O Assignments

Select the number of inputs/outputs according to the product characteristics in order to get the I/O assignment.



Power Connectors

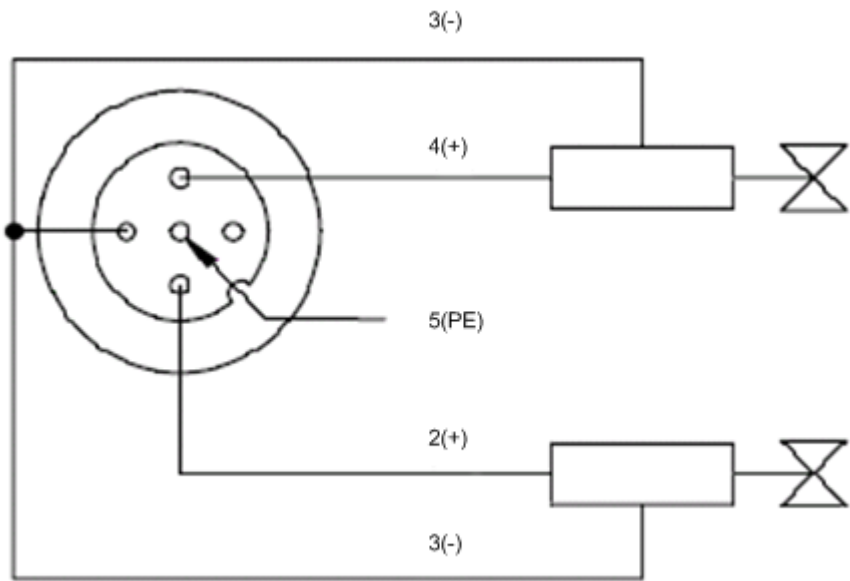
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- 1    output power (24V)
- 2    module/input power (24V)
- 3    module/input power (0V)
- 4    output power (0V)

2-Output Port

IEC Wiring Diagram with 2 Actuators



2-Input Port

IEC Wiring Diagram with 2 Sensors

