



Schneider Electric TPRAN2X1 Input Output Module Instruction Manual

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SAFETY INSTRUCTIONS

DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Read and understand this document and the documents listed on page 2 before installing, operating, or maintaining your TeSys Active.
- This equipment must only be installed and serviced by qualified electrical personnel.
- Turn off all power supplying this equipment before mounting, cabling, or wiring this equipment.
- Use only the specified voltage when operating this equipment and any associated products.
- Apply appropriate personal protective equipment (PPE) and follow safe electrical work practices per local and national regulatory requirements.

Failure to follow these instructions will result in death or serious injury.



HAZARD OF FIRE

Use only the specified wiring gauge range with the equipment and comply with the specified wire termination requirements.

Failure to follow these instructions can result in death, serious injury, or equipment damage.



UNINTENDED EQUIPMENT OPERATION

- Do not disassemble, repair, or modify this equipment.
There are no user serviceable parts.
- Install and operate this equipment in an enclosure appropriately rated for its intended environment.
- Always route communication wiring and power wiring separately.
- For complete instructions about the functional safety modules, refer to the Functional Safety Guide, 8536IB1904

Failure to follow these instructions can result in death, serious injury, or equipment damage.

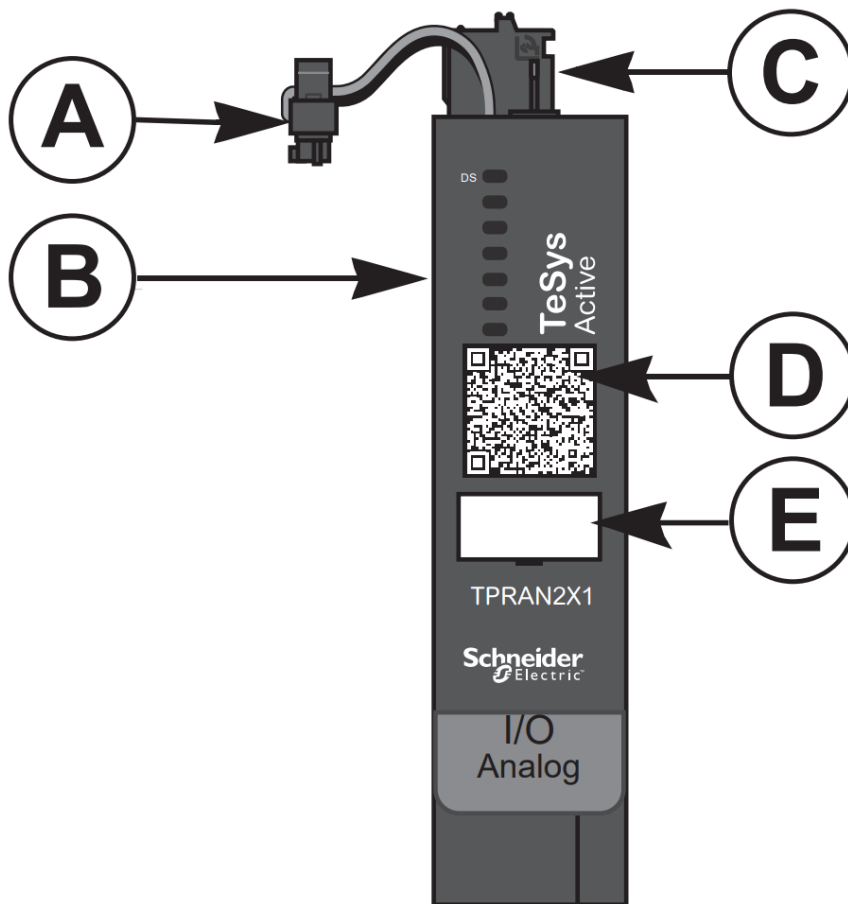
⚠ WARNING: This product can expose you to chemicals including Antimony oxide (Antimony trioxide), which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Documentation

- 8536IB1901, System Guide
- 8536IB1902, Installation Guide
- 8536IB1903, Operating Guide
- 8536IB1904, Functional Safety Guide

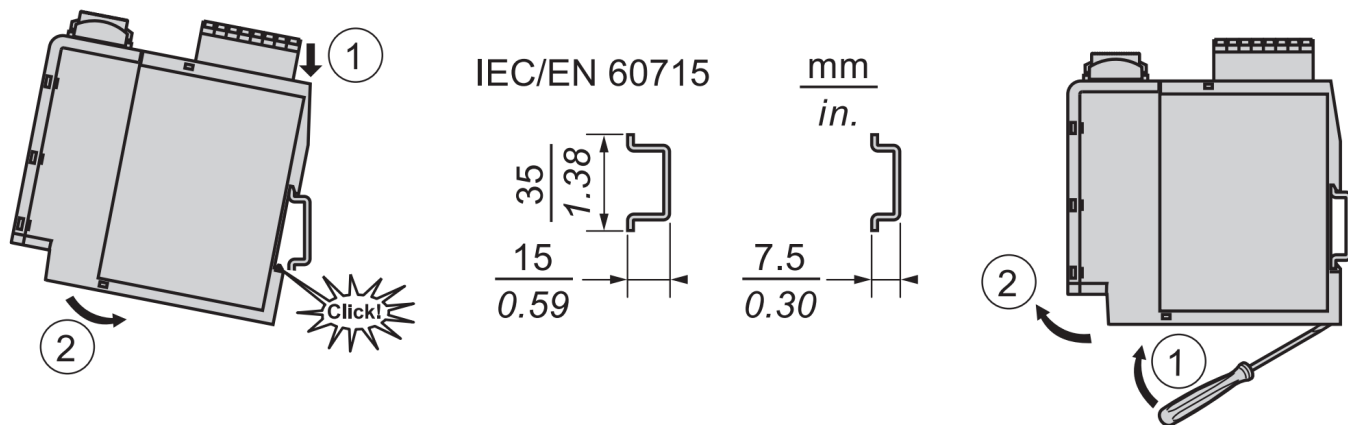
Available at www.se.com.

Features



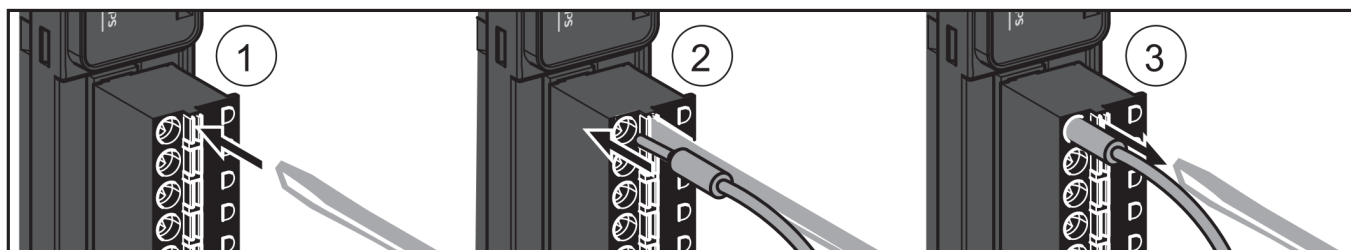
- **A.** Flat cable
- **B.** LED status indicators
- **C.** Connector with spring terminals
- **D.** QR code
- **E.** Name tag

Mounting

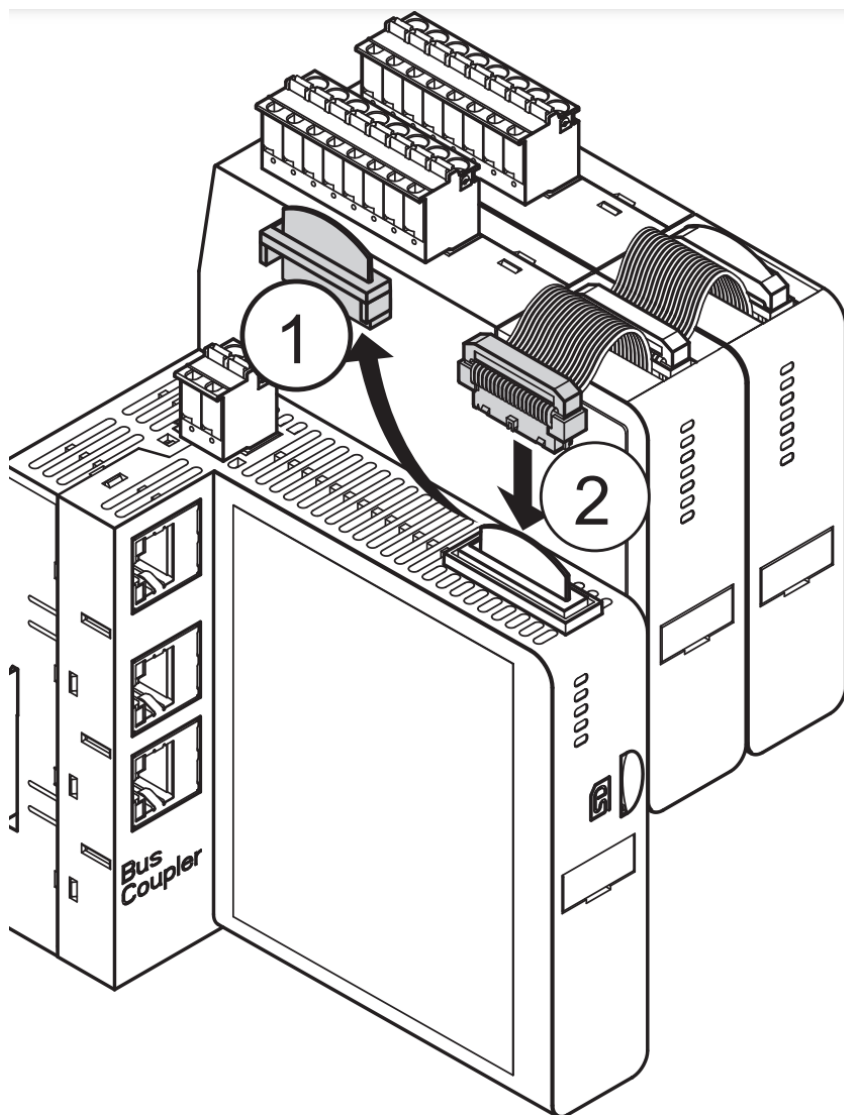


mm: in.

Cabling



10 mm 0.40 in.	0.2–2.5 mm ² AWG 24–14	0.2–2.5 mm ² AWG 24–14	0.25–2.5 mm ² AWG 22–14

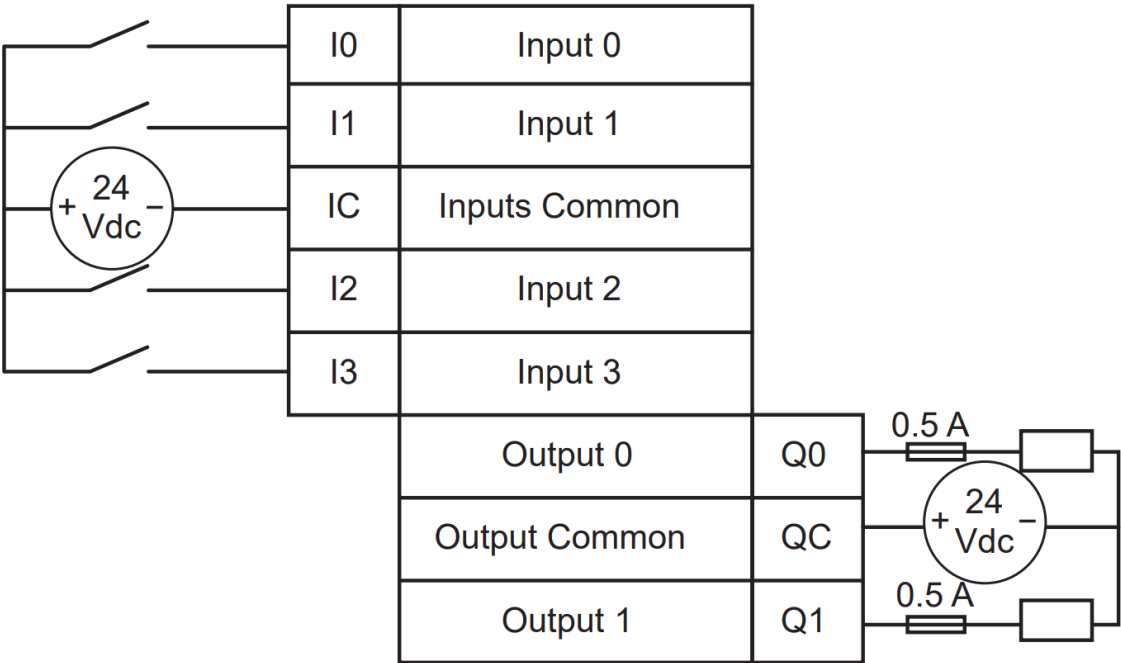


mm	in.	mm ²	AWG
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Wiring

TPRDG4X2

The TeSys Active Digital I/O module is an accessory of the TeSys Active. It has 4 digital inputs and 2 digital outputs.

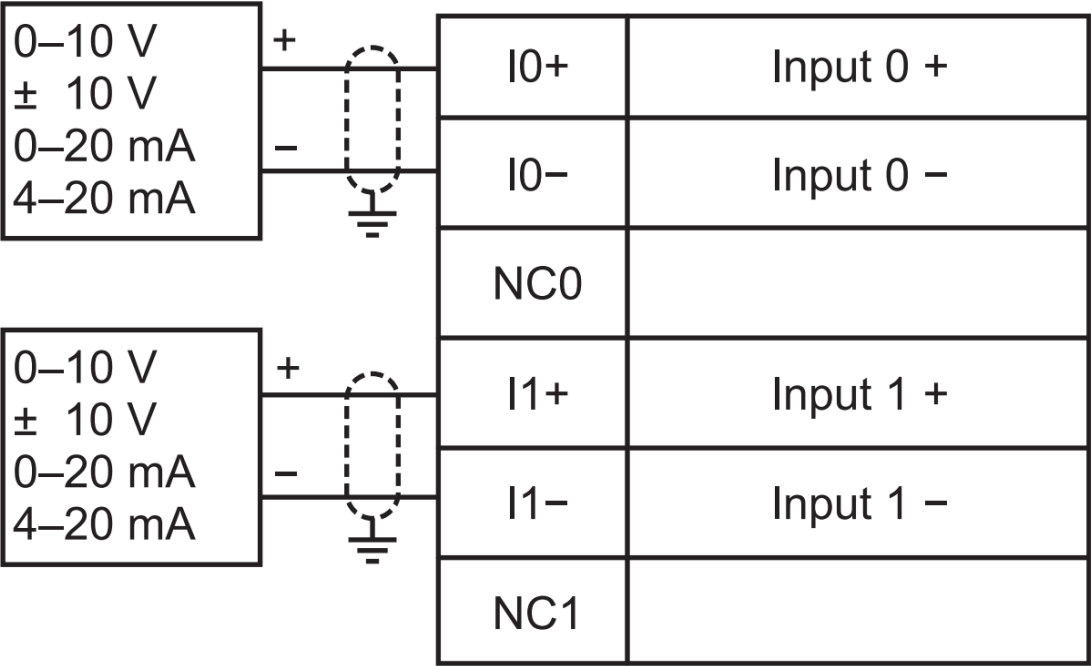


Output fuse: 0.5AType T

Connector	Pin1	Digital I/O	Terminal
	1	Input 0	I0
	2	Input 1	I1
	3	Input Common	IC
	4	Input 2	I2
	5	Input 3	I3
	6	Output 0	Q0
	7	Output Common	QC
	8	Output 1	Q1

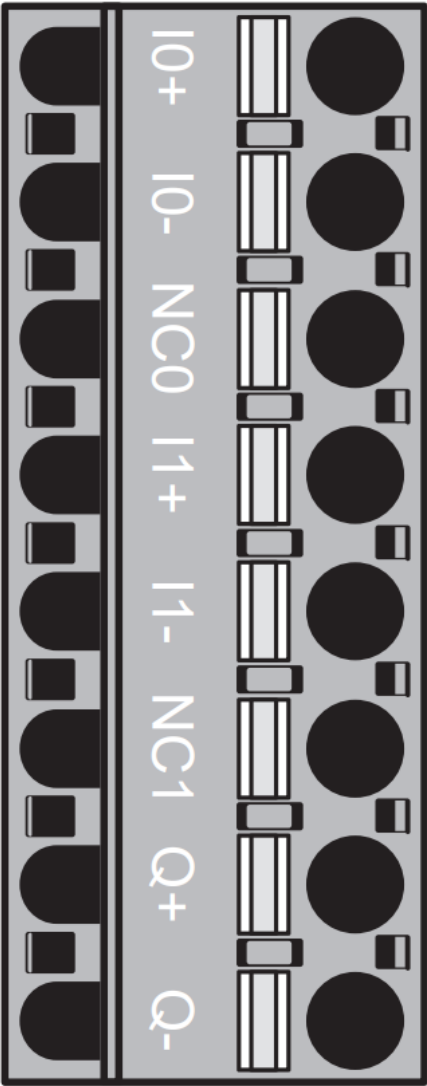
TPRAN2X1

The TeSys Active Analog I/O module is an accessory of the TeSys Active. It has 2 configurable analog inputs and 1 configurable analog output.



Current/Voltage Analog Device Input

Connector	Pin1	Analog I/O	Terminal
	1	Input 0 +	I0+
	2	Input 0 -	I0-
	3	NC 0	NC0
	4	Input 1 +	I1+
	5	Input 1 -	I1-
	6	NC 1	NC1
	7	Output +	Q+

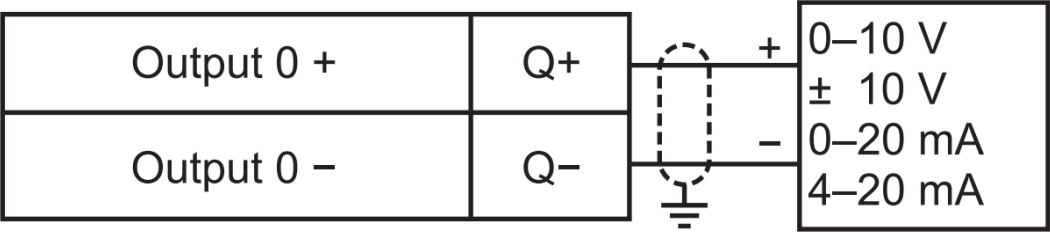


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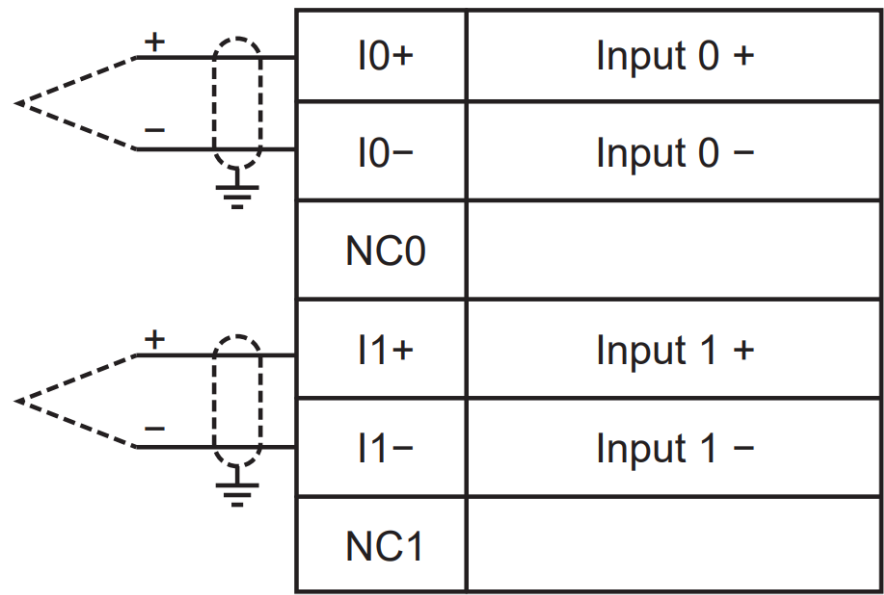
Output -

Q-

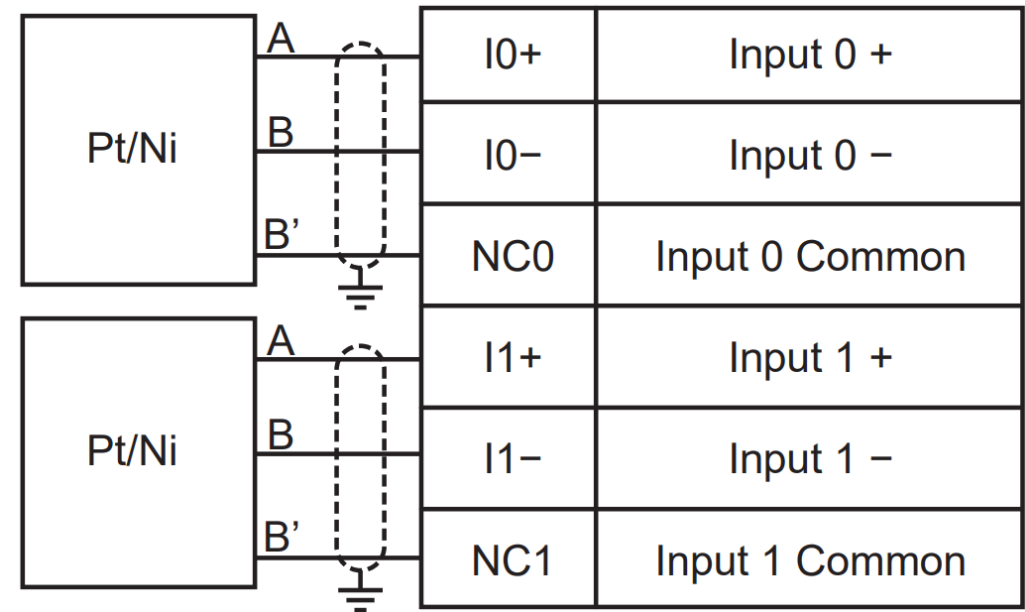
1 Pitch: 5.08 mm / 0.2 in.



Current/Voltage Analog Device Output



Thermocouples

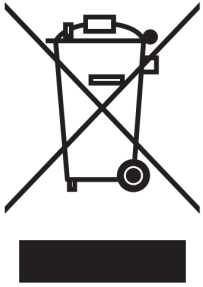


Resistance Temperature Detector (RTD)

PLEASE NOTE

- Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel.
- No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

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Documents / Resources



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TPRDG4X2, TPRAN2X1, TPRAN2X1 Input Output Module, Input Output Module, Output Modul
e, Module

References

- [P65Warnings.ca.gov](#)
- [Schneider Electric Global | Global Specialist in Energy Management and Automation](#)
- [Schneider Electric France | Gestion de l'énergie et automatisme](#)
- [Систэм Электрик - официальный сайт](#)
- [Schneider Electric UK | Energy Management and Automation](#)