



ADPT-1RJ-TB

Modbus RTU adapter - RJ45 socket to terminal block

ADPT-1RJ-TB is an adapter for converting Power over Modbus (PoM) from RJ45 to a regular terminal block and vice versa. PoM is the Sentera standard for the distribution of Modbus RTU and power supply via a single RJ45 connector. The ADPT-1RJ-TB adaptor facilitates interconnecting Sentera devices with PoM to devices with regular terminal blocks.

Key features

- Adapter for connecting an RJ45 PoM connector with a 4-pins terminal block
- LED indicator for 24 VDC supply voltage indication
- Compact design and reliable connections

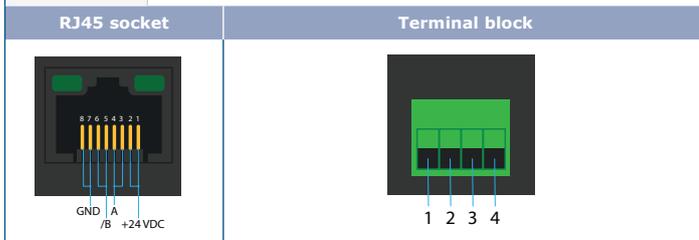
Technical specifications

Type of connection	1 RJ45 connector for Sentera Power over Modbus	
	1 terminal block with 4 pins for supply voltage, Modbus communication and ground	
Protection standard	IP30 (according to EN 60529)	
Ambient conditions	Temperature	-20—70 °C
	Rel. humidity	5—90% rH (non-condensing)



Wiring and connections

RJ45 Sentera Modbus	
Pin 1	Supply voltage, 24 VDC
Pin 2	
Pin 3	Modbus RTU communication, signal A
Pin 4	
Pin 5	Modbus RTU communication, signal /B
Pin 6	
Pin 7	Supply voltage, ground
Pin 8	



Terminal block		
Pin 1	V+	Supply voltage
Pin 2	A	Modbus RTU communication, signal A
Pin 3	/B	Modbus RTU communication, signal /B
Pin 4	GND	Supply voltage, ground
Connections	Screened, foil-shielded, twisted-pair (S/FTP) cable	

Note: The left LED of the RJ45 connector lights up to indicate that 24 VDC power supply is connected.

Area of use

- Facilitate interconnecting of Sentera devices with RJ45 connector to devices with terminal blocks
- For indoor use only!

Standards

- Low Voltage Directive 2014/35/EC
- EN 60529:1991 Degrees of protection provided by enclosures (IP Code).
Amendment AC:1993 to EN 60529
- EMC Directive 2014/30/EC:
- WEEE Directive 2012/19/EC
- RoHS Directive 2011/65/EC





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Packaging

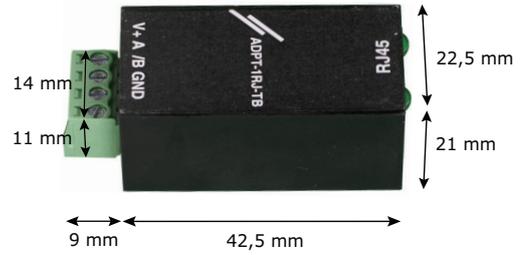


Article	Packaging	Length [mm]	Width [mm]	Height [mm]	Net weight	Gross weight
ADPT-1RJ-TB	Unit (1 pc.)	51,5	22,5	21	0,15 g	0,22 g
	Box (10 pcs.)	—	—	—	0,100 kg	0, 100 kg

Global trade item numbers (GTIN)

Packaging	ADPT-1RJ-TB
Unit	05401003018378
Box	05401003504017

Dimensions



Indications



1 - Left green LED

On

Indicates that 24 VDC power supply is connected

2 - Right green LED

Not connected