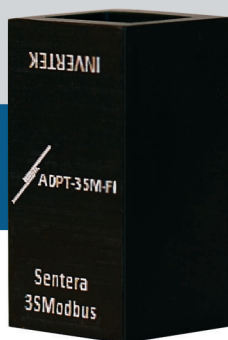


ADPT-3SM-FI

Modbus RTU adapter



ADPT-3SM-FI is an RJ45 cable adapter for connecting FI series of frequency inverters to any Sentera Modbus RTU network.

Key features

- Two RJ45 connectors for easy wiring
- LED status indication
- Compact and reliable design

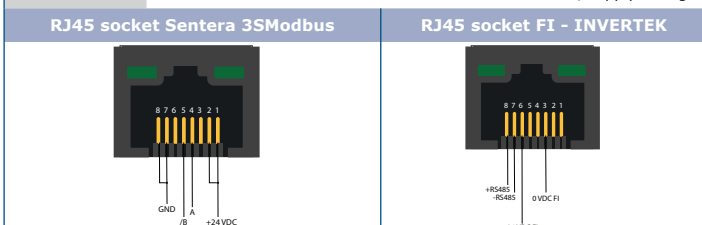
Technical specifications

2 RJ45 connectors	1 RJ45 connector for Sentera Modbus network	1 RJ45 connector for the FI series of frequency inverters
Protection standard	IP30 (according to EN 60529)	
Ambient conditions	Temperature	-20—70 °C
	Rel. humidity	5—85% rH (non-condensing)



Wiring and connections

RJ45 Sentera Modbus network	
Pin 1	Supply voltage, 24 VDC
Pin 2	Supply voltage, 24 VDC
Pin 3	Not to be connected
Pin 4	Modbus RTU communication, signal A
Pin 5	Modbus RTU communication, signal /B
Pin 6	Not to be connected
Pin 7	Ground, supply voltage
Pin 8	Ground, supply voltage



RJ45 - FI frequency inverters	
Pin 1	Not to be connected
Pin 2	Not to be connected
Pin 3	Connected to 0 VDC of FI
Pin 4	Not to be connected
Pin 5	Not to be connected
Pin 6	Connected to 24 VDC of FI
Pin 7	-RS485 (Modbus RTU)
Pin 8	+RS485 (Modbus RTU)
Connections	Screened, foil-shielded, twisted-pair (S/FTP) cable

Attention: There is no connection both between 24 VDC PoM and 24 VDC FI and between GND PoM and 0 VDC FI. Please, be careful with the direction of the connectors!

Area of use

- Sentera Modbus networks
- For indoor use only!

Standards

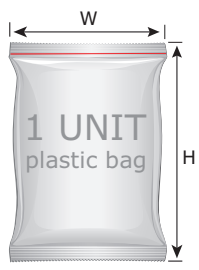
- CE**
- Low Voltage Directive 2014/35/EC
 - EN 60529:1991 Degrees of protection provided by enclosures (IP Code). Amendment AC:1993 to EN 60529
 - EN 60730-1:2011 Automatic electrical controls for household and similar use - Part 1: General requirements
 - EMC Directive 2014/30/EC:
 - EN 60730-1:2011 Automatic electrical controls for household and similar use - Part 1: General requirements
 - EN 61000-6-1:2007 Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity for residential, commercial and light-industrial environments
 - EN 61000-6-3:2007 Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light industrial environments Amendments A1:2011 and AC:2012 to EN 61000-6-3
 - EN 61326-1:2013 Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements - EN 61326-2-3:2013 Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-3: Particular requirements - Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning
 - WEEE Directive 2012/19/EC
 - RoHS Directive 2011/65/EC

ADPT-3SM-FI

Modbus RTU adapter

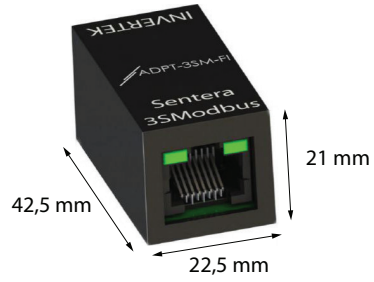


Packaging

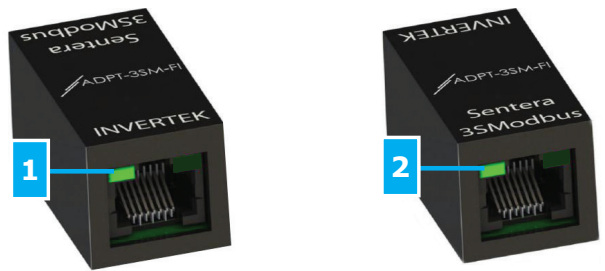


Article	Packaging	Length [mm]	Width [mm]	Height [mm]	Net weight	Gross weight
ADPT-3SM-FI	Unit (1 pc.)	-	100	140	15 g	27 g

Dimensions



Indications



1 - Green LED on the FI (Invertek side)	On	Indicates correct cable connection.
2 - Green LED Sentera side	On	Indicates that 24 VDC, PoM is present.

Application example

