Anybus RS232 Communicator Serial CAN Converters Gateways Instruction Manual

Contents

1 Anybus RS232 Communicator Serial CAN Converters Gateways
2 General Safety Instructions
3 Model Identification
4 Installation
5 Technical Specifications
6 Documents / Resources
7 Related Posts

Anybus RS232 Communicator Serial CAN Converters Gateways

General Safety Instructions

Caution

- This equipment contains parts that can be damaged by electrostatic discharge (ESD). Use ESD prevention measures to avoid damage.
- To avoid system damage, the equipment should be connected to ground.
- If this equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

Intended Use
The intended use of this equipment is as a communication interface and gateway. The equipment receives and transmits data on various physical layers and connection types.

Model Identification

Hardware description	Model ID
Serial to Ethernet. With rotary switches	40-SER-ETH-A
Serial to Ethernet. Without rotary switches	40-SER-ETH-B
Serial to Profibus. With rotary switches	40-SER-PDP-A
Serial to Profibus. Without rotary switches	40-SER-PDP-B
Ethernet to Ethernet. With rotary switches	40-ETH-ETH-A, 40-ETH-ETH-A-60*
Ethernet to Ethernet. Without rotary switches	40-ETH-ETH-B, 40-ETH-ETH-B-60*

* Other CPU mount option.

Installation

Make sure that you have all the necessary information about the capabilities and restrictions of your local network environment before installation.

- Tightening torque for 3-pin and 7-pin connector: 0.5-0.8 Nm.
- Use minimum 90 °C copper (Cu) wire only.
- Equipment to be supplied by Class 2 Power Source in accordance with the NEC.
- The equipment is considered as open type and shall be installed in a suitable end enclosure providing mechanical protection.
- Use in Overvoltage Category I Pollution Degree 2 Environment conforming to EN 60664-1.
- This equipment is designed to comply as Class III equipment according to 61010-2- 201.

Technical Specifications

Model identification	**40-SER-ETH-A** **40-SER-ETH-B**	**40-SER-PDP-A** **40-SER-PDP-B**	**40-ETH-ETH-A** **40-ETH-ETH-B** **40-ETH-ETH-A-60** **40-ETH-ETH-B-60**
Configuration connector	RJ45		
Upper connector	7-pin screw connector		RJ45x2
Lower connector	RJ45x2	9-pin D-sub	RJ45x2
Power connector	3-pin screw connector		
Power supply	12-30 VDC Reverse voltage protection and short circuit protection		
Power consumption	Typical: 160 mA @ 24 V Max: 400 mA @ 12 V		
Storage temperature	-40 to +85 °C		
Operating temperature	-25 to +70 °C		
Humidity	EN 600068-2-78: Damp heat, +40°C, 93% humidity for 4 days EN 60068-2-30: Dam p heat, +25°C – +55°C, 95% RH, 2 cycles		
Vibration	See datasheet		

Housing material	Plastic See datasheet for details
Protection class	IP20
Product weight	150 g
Dimensions	27 x 144 x 98 mm (H x W x D) with connectors included
Mounting	DIN-rail

Additional technical data and information related to the installation and use of this product can be found at **www.anybus.com/support**

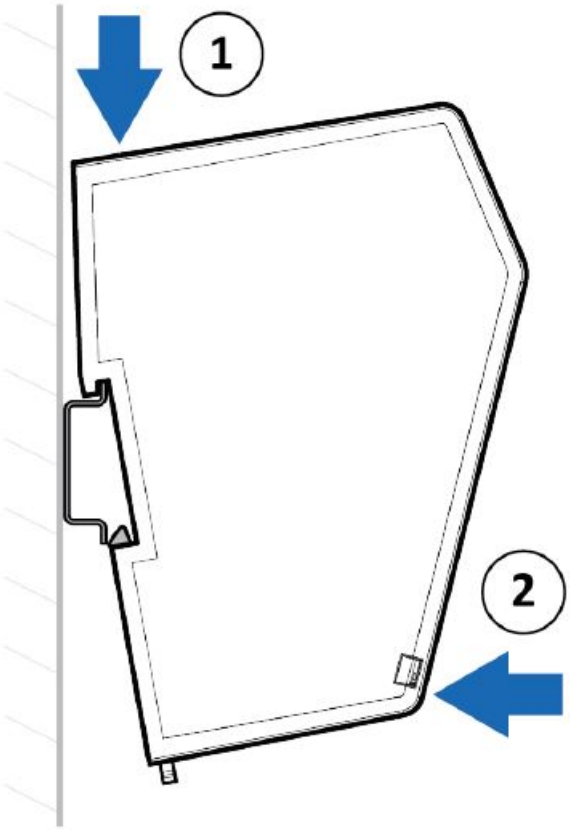
CE Compliance
This product is in compliance with the EMC Directive 2014/30/EU and the RoHS Directive 2011/65/EU with amendment 2015/863 through conformance with applicable standards. The full text of the Declaration of Conformity is available at **www.anybus.com/support**

Disposal and recycling
You must dispose of this equipment properly according to local laws and regulations. Because this equipment contains electronic components, it must be disposed of separately from household waste. When this equipment reaches its end of life, contact local authorities to learn about disposal and recycling options, or return the equipment to HMS.
For more information, see **www.hms-networks.com**

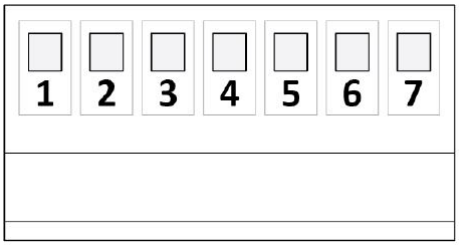
UL Ordinary Locations (OrdLoc)
This equipment is certified for use in ordinary locations in compliance with the following standards:

- UL 61010-1 SAFETY REQUIREMENTS FOR ELECTRICAL EQUIPMENT FOR MEASUREMENT, CONTROL, AND LABORATORY USE – PART 1: GENERAL REQUIREMENTS – Edition 3
- UL 61010-2-201 STANDARD FOR SAFETY REQUIREMENTS FOR ELECTRICAL EQUIPMENT FOR MEASUREMENT, CONTROL, AND LABORATORY USE – PART 2-201: PARTICULAR REQUIREMENTS FOR CONTROL EQUIPMENT – Edition 2
- CSA C22.2 NO. 61010-1 SAFETY REQUIREMENTS FOR ELECTRICAL EQUIPMENT FOR MEASUREMENT, CONTROL, AND LABORATORY USE. PT. 1, GENERAL REQUIREMENTS – Edition 3
- CSA C22.2 NO. 61010-2-201 SAFETY REQUIREMENTS FOR ELECTRICAL EQUIPMENT FOR MEASUREMENT, CONTROL, AND LABORATORY USE – PART 2-201: PARTICULAR REQUIREMENTS FOR CONTROL EQUIPMENT – Edition 2

The certification number of Anybus Communicator certified modules according to OrdLoc certification is: E214107
According to the standards listed above, Anybus Communicator modules are certified with the following marking:

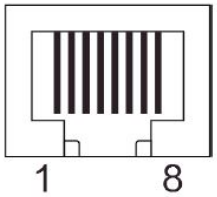


7-pin



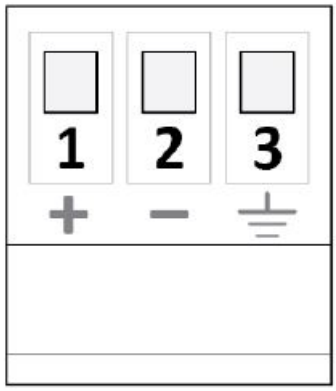
Pin	Data
1	RS232 Rx Input
2	RS232 Tx Output
3	Functional Earth (FE)
4	Signal GND
5	RS485+ B
6	RS485- A
7	+5 V OUT

RJ45



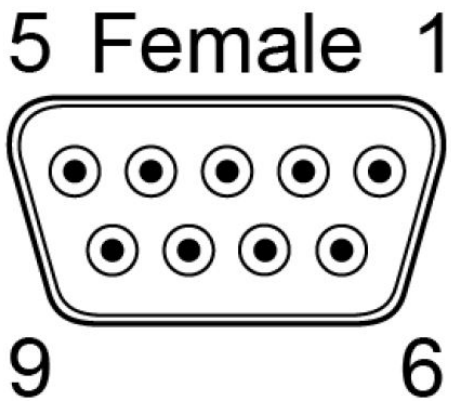
Pin	Data	Pin	Data
1	TD+	5	
2	TD-	6	RD-
3	RD+	7	
4		8	

3-pin



Pin	Data
1	12-30 VDC
2	Ground (GND)
3	Functional Earth (FE)

9-pin D-sub



Pin	Data
1	Shield
3	B-line
4	Request to Send (RTS)
5	GND bus
6	+5 V bus cut
8	A-line
2, 7, 9	NC

Box 4126, 300 04 Halmstad, Sweden
SP2802 1.10 / 2021-10-08 / 23560

Documents / Resources

	Anybus RS232 Communicator Serial CAN Converters Gateways [pdf] Instruction Manual RS232, Communicator Serial CAN Converters Gateways, RS232 Communicator Serial CAN Converters Gateways