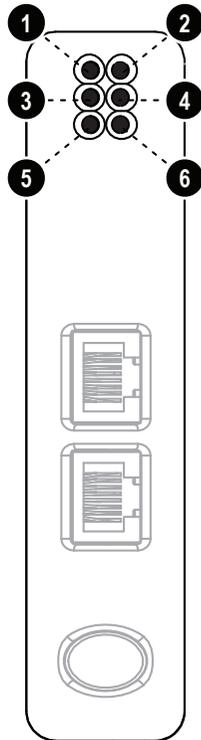


Module Front



LED Indicators

LED	Indication	Meaning	
1	RUN	Green	Device in OPERATIONAL state
		Green (blinking)	Device in PRE-OPERATIONAL state
		Green (1 flash)	Device in SAFE-OPERATIONAL state
		Off	Device in INIT state
2	ERR	Red	Application watchdog timeout
		Red (blinking)	General configuration error
		Red (1 flash)	Unsolicited state change
		Red (2 flashes)	Sync manager watchdog timeout
		Off	Normal operation (no errors)
3	Link/Activity 1	Green	Link established on Ethernet port 1
		Green (flickering)	Exchanging packets on Ethernet port 1
		Off	Link not detected or no power
4	Link/Activity 2	Green	Link established on Ethernet port 2
		Green (flickering)	Exchanging packets on Ethernet port 2
		Off	Link not detected or no power
5	Subnet status	Green	Running
		Green (flashing)	Running, one or more transaction errors
		Red	Transaction error/timeout or subnet stopped
6	Device status	Green	Initializing
		Green (flashing)	Running
		Red	Bootloader mode
		Red (flashing)	Contact Anybus support
		Alternating red/green	Configuration invalid or missing
		Off	Power off

Accessories Checklist

The following items are required for installation:

- Anybus Communicator Resource CD (Includes configuration software, manuals and application notes)
- RS232 configuration cable
- Subnetwork connector
- Ethernet cable and connector (not included)

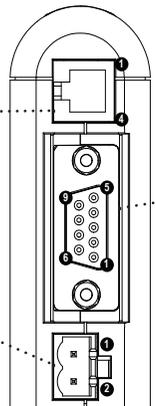
Installation and Startup Summary

- Mount the Communicator on the DIN-rail.
- Connect the Communicator to the EtherCAT network.
- Connect the Communicator to the subnetwork.
- Power on the Communicator (+24 V DC).
- Connect the configuration cable between the Communicator and the PC containing the Anybus Configuration Manager software (ACM).
- Configure the Communicator using ACM.
- Configure and start the EtherCAT network.

Bottom View

PC Connector:

- 1. GND
- 2. GND
- 3. RS232 Rx
- 4. RS232 Tx



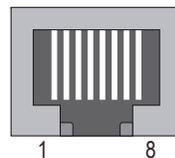
Power:

- 1. +24 V DC
- 2. GND

Subnetwork Connector

Pin no.	Description
1	+5V OUT
2	RS232 Rx
3	RS232 Tx
4	NC
5	Signal GND
6	RS422 Rx+
7	RS422 Rx-
8	RS485+ / RS422 Tx+
9	RS485- / RS422 Tx-

EtherCAT Connector



Pin no	Description
1	TD+
2	TD-
3	RD+
6	RD-
4, 5, 7, 8	Termination



EtherCAT® is a registered trademark and patented technology licensed by Beckhoff Automation GmbH, Germany.

Further information and documents about this product can be found at the product pages on www.anybus.com.

UL Certification



IND: CONT. EQ.
FOR HAZ LOC.
CL I, DIV 2
GP A,B,C,D
TEMP
CODE
E203225

Warnings

- **WARNING - EXPLOSION HAZARD - SUBSTITUTION OF ANY COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS I, DIVISION 2.**
- **WARNING - EXPLOSION HAZARD - WHEN IN HAZARDOUS LOCATIONS, TURN OFF POWER BEFORE REPLACING OR WIRING MODULES.**
- **WARNING - EXPLOSION HAZARD - DO NOT DISCONNECT EQUIPMENT UNLESS POWER HAS BEEN SWITCHED OFF OR THE AREA IS KNOWN TO BE NONHAZARDOUS.**

Attention!

- **ATTENTION – RISQUE D’EXPLOSION – LE REMPLACEMENT DE TOUT COMPOSANTS INVALIDE LA CERTIFICATION CLASS I, DIVISION 2.**
- **ATTENTION – RISQUE D’EXPLOSION – EN ZONE EXPLOSIVE, VEUILLEZ COUPER L’ALIMENTATION ÉLECTRIQUE AVANT LE REMPLACEMENT OU LE RACCORDEMENT DES MODULES.**
- **ATTENTION – RISQUE D’EXPLOSION – NE PAS DÉCONNECTER L’ÉQUIPEMENT TANT QUE L’ALIMENTATION EST TOUJOURS PRÉSENTE OU QUE LE PRODUIT EST TOUJOURS EN ZONE EXPLOSIVE ACTIVE.**

Additional installation and operating instructions

Max Ambient Temperature: 55°C (for Hazloc environments)

Field wiring terminal markings (wire type (Cu only, 14-30 AWG)).

Use 60/75 or 75°C copper (Cu) wire only.

Terminal tightening torque must be between 5-7 lb-in (0.5 - 0.8 Nm).

Use in overvoltage category 1 pollution degree 2 environment.

Installed in an enclosure considered representative of the intended use.

Secondary circuit intended to be supplied from an isolating source and protected by overcurrent protective devices installed in the field sized per the following:

Control-circuit Wire Size		Maximum Protective Device Rating
AWG	(mm ²)	Amperes
22	(0.32)	3
20	(0.52)	5
18	(0.82)	7
16	(1.3)	10
14	(2.1)	20
12	(3.3)	25

EMC Compliance (CE)



This product is in accordance with the EMC directive 89/336/EEC, with amendments 92/31/EEC and 93/68/EEC through conformance with the following standards:

- **EN 50082-2 (1993)**
EN 55011 (1990) Class A
- **EN 61000-6-2 (1999)**
EN 61000-4-3 (1996) 10 V/m
EN 61000-4-6 (1996) 10 V/m (all ports)
EN 61000-4-2 (1995) ±8 kV Air Discharge
±4 kV Contact discharge
EN 61000-4-4 (1995) ±2 kV Power port
±1 kV Other ports
EN 61000-4-5 (1995) ±0.5 kV Power ports (DM/CM)
±1 kV Signal ports

Further information and documents about this product can be found at the product pages on www.anybus.com.