

## Anybus Communicator – CAN to DeviceNet

Item number: AB7313-B

The Anybus Communicator – CAN to DeviceNet converts CAN protocols to deviceNet, enabling you to connect any CAN-based device or equipment to DeviceNet control systems. Anybus Communicators ensure reliable, secure, high-speed data transfers between different industrial networks while being easy to use.



*A protocol converter that connects CAN devices to DeviceNet control systems.*

### Features and benefits

#### ✓ No hardware or software changes needed

Integrate your CAN-based industrial devices and equipment to a PROFINET-IRT control system without the need for any changes to the device. Just connect, configure and you're done!

#### ✓ Compatible

Convert CANopen, or any custom CAN 1.0, 2.0A, or 2.0B protocol, in just a few minutes.

#### ✓ 3-year warranty

The Communicator is designed to be robust and long-lasting. A 3-year guarantee is provided.

#### ✓ Convert proprietary protocols

Converts Produce/Consume and Request/Response protocols and transactions.

#### ✓ Daisy chaining

Versions with Dual Port switched Ethernet allow for daisy chaining and eliminate the need for external switches.

#### ✓ Easy integration

No code or function blocks needed

#### ✓ CAN frame building

Use the Anybus Configuration Manager for easy visual CAN frame building.

#### ✓ Slim hardware design

The Communicator is designed for IP20 and DIN-rail mounting, enabling you to install it with ease, close to connected devices, thereby reducing wiring requirements.

#### ✓ Any PLC

Compatible with PLCs from all leading manufacturers

#### ✓ Save & Load

The Save/Load function enables a completed configuration to be re-used for other installations.

#### ✓ Trusted partner

Anybus has a long history of working with all the major network organizations to ensure compliant, high-performing, and compatible products.

#### ✓ Life cycle management

HMS maintains every part of the Communicator, including network updates, throughout the product's lifecycle.



## Anybus Communicator – CAN to DeviceNet

General	
Net Width (mm)	27
Net Height (mm)	120
Net Depth (mm)	75
Net Weight (g)	300
Packed Width (mm)	15
Packed Height (mm)	6
Packed Depth (mm)	17
Packed Weight (g)	300
Operating Temperature °C Min	-25
Operating Temperature °C Max	55
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Current Consumption Type Value at Vcc Nom (mA)	100mA @ 24V DC
Current Consumption Max value at Vcc nom (mA)	250mA @ 24V DC
Input Voltage (V)	24V DC (-10% to +10%)
Power Connector	2-pin, 5.08 Phoenix plug connector
Reverse Polarity Protection	Yes
Short Circuit Protection	Yes
Isolation	Yes



# Anybus Communicator – CAN to DeviceNet

## General

Mounting	DIN-rail (EN 50022 standard)
Housing Materials	Plastic
Packaging Material	Cardboard

## Identification and Status

Product ID	AB7313-B
Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	5A991.b.4b

## Physical Features

Connectors / Input / Output	male 9-DSUB;1x 5-pin, 5.08 Phoenix plug connector
DIP & Rotary Switches	1x 8-dip switch DEV MacID + Baud rate
Contains Battery	No

## CAN Features

CAN Supported Functionality	CAN standards 2.0A/2.0B (11 and 29 bit identifiers); 128 CAN transactions (total 256 CAN frames) - Produce, Consume, Query/Response; Cyclic, On Data Change, Single Shot, Trigger Byte update modes; Data Word Swap option
CAN Mode	Generic CAN
CAN Baud Rate	20 kBit/s to 1 Mbit/s

## DeviceNet Features

DeviceNet Mode	Adapter / Slave
DeviceNet Configuration File	EDS available
DeviceNet Baud Rate	125-500 kbit/s
DeviceNet Input Data Size	512 bytes
DeviceNet Output Data Size	512 bytes



## Anybus Communicator – CAN to DeviceNet

### Certifications and Standards

Protection Class IP	IP20
RoHS Compliant	Yes
Recycle / Disposal	Yes
CE	Yes
FCC	No
UL	Yes
UL Information	E214107: Ord.Loc UL508, CSA C22.2 NO. 142; E203225: Haz.Loc CL I DIV2 GP A,B,C,D T4, ANSI/ISA 12.12.01, CAN/CSA C22.2 No. 213, CAN/CSA C22.2 No. 142
ATEX	Yes
ATEX Information	II 3 G Ex nA ic IIC T4 Gc, EN 60079-0; EN60079-15; EN60079-11
EMC	Yes
Environment	EN 61000-6-4, EN 55016-2-3 Class A, EN 55022 Class A, EN 61000-6-2, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6
Waste Certification (WEEE)	Yes
WEEE Category	IT and telecommunications equipment