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.
- **1-year warranty**
  The Communicator is designed to be robust and long-lasting. A 1-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)	150
Packed Width (mm)	135
Packed Height (mm)	55
Packed Depth (mm)	170
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

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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

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

Certifications and Standards

Protection Class IP	IP20

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Certifications and Standards

RoHS Compliant	Yes
Recycle / Disposal	Yes
Product Certifications	CE, UL, ATEX , WEEE
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 Information	II 3 G Ex nA ic IIC T4 Gc, EN 60079-0; EN60079-15; EN60079-11
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
WEEE Category	IT and telecommunications equipment