HMS Industrial Networks AB
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HMS

SP2063, rev 1.00, Feb 2016. AB9071-B.   www.anybus.com

Module Front

USB port:
Connect a PC to the USB port for firmware upgrades.

PROFIBUS Connector (DB9F):

Pin no	Description
1	Shield
3	B-Line
4	RTS
5	GND bus
6	+5 V bus out
8	A-Line
2, 7, 9	Not connected
Housing	PE
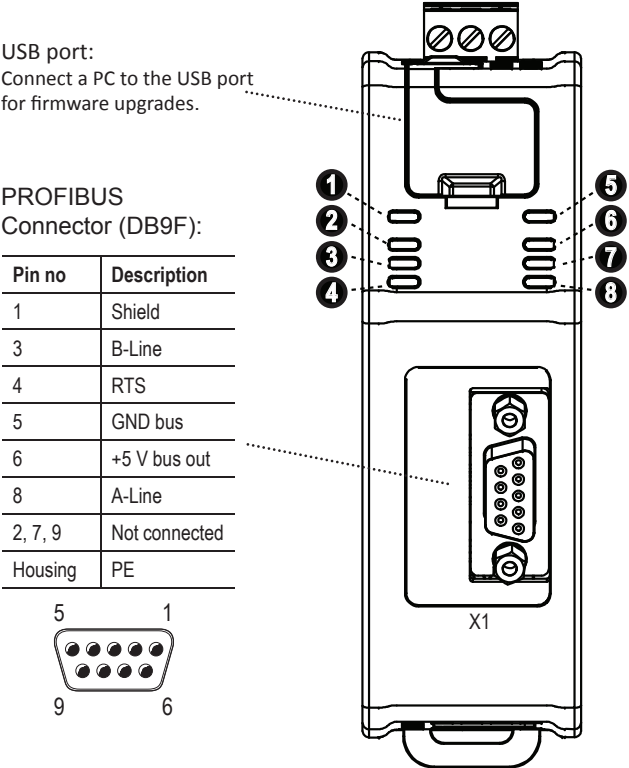
LEDs: Gateway and IT Network

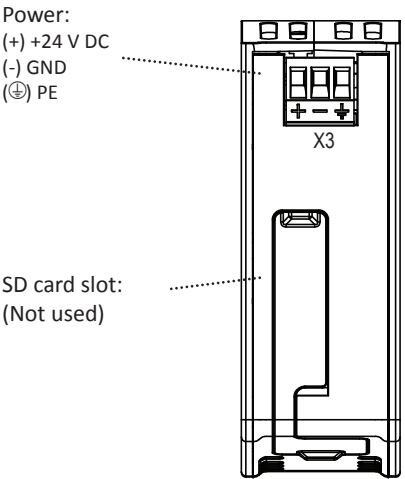| No	Name	Indication	Meaning
❶	(OT) OT Status	Off	Power off
		Green	Connection to PLC
❺	(IT) IT Status	Off	Power off
		Green	Connection to IT
		Flashing green	No connection to IT network
❻	Not used	-	-
❼ ❽	(LA1, LA2) Ethernet Link 1 & 2	Off	No link
		Flashing green	Receiving/transmitting Ethernet packets at 100 Mbit
		Flashing yellow	Receiving/transmitting Ethernet packets at 10 Mbit

LEDs: PROFIBUS Network

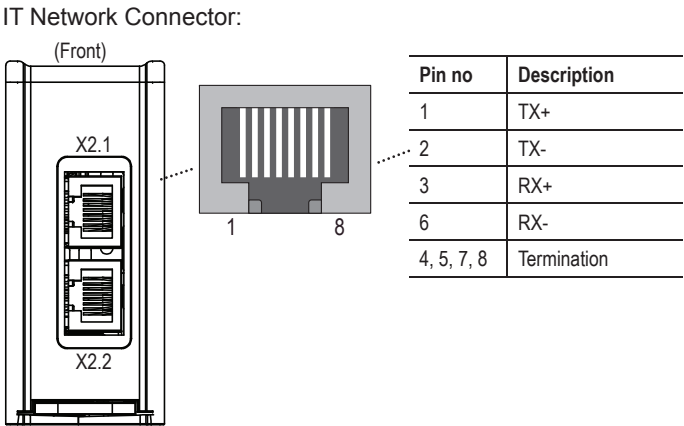| No	Name	Indication	Meaning
❷	Not used	-	-
❸	(OP) Network Status	Off	Not online
		Flashing green	Online, clear
		Green	Online, data exchange
		Flashing red (1 flash)	Parameterization error
		Flashing red (2 flashes)	Configuration error
❹	(ST) Module Status	Off	Not initialized
		Green	Initialized
		Red	Fatal error

Installation and Startup Summary

- Download IPconfig from www.anybus.com to a PC.
- Turn on the module (+24 V DC).
- Connect the PC to the module via one of the bottom gateway network connectors (X2.1 or X2.2). Use IPconfig to set a fixed IP address or enable DHCP.
- Attach the Anybus .NET gateway to the DIN-rail.
- Connect the module to the PROFIBUS network.
- Configure and start the PROFIBUS network.

Top View

Power:
(+) +24 V DC
(-) GND
(⏚) PE

SD card slot:
(Not used)

Bottom View

IT Network Connector:

| Pin no	Description
1	TX+
2	TX-
3	RX+
6	RX-
4, 5, 7, 8	Termination

Technical Details

- Power supply:
  24 V DC (-15% to +20%).

- Power consumption:
  Maximum power consumption is 300 mA @ 24 V DC.
  Typical power consumption: 150 mA @ 24 V DC.

- Surrounding temperature
  70 degrees C @ 225 mA @ 24 V DC.

- Protective Earth (PE):
  Internal connection to PE via DIN-rail or, if the DIN-rail can not be used, via the power connector.
  Note: Make sure the DIN-rail is properly connected to PE.

For maintenance and support, contact the HMS support department. Contact information is available at the support pages on www.anybus.com.

Further information and documents about this product can be found at the product pages on www.anybus.com.
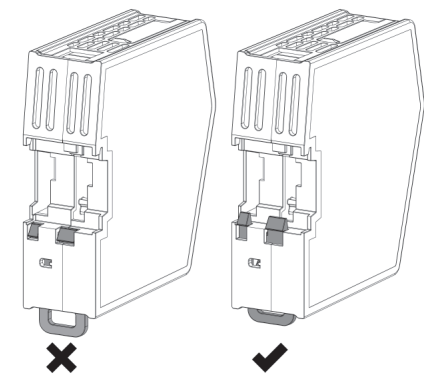
DIN-rail Mounting
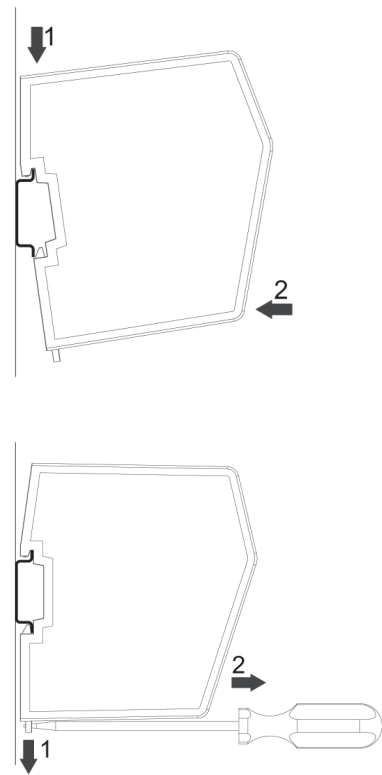
Ensure that the DIN-rail fastening mechanism on the back of the module is in a fixed and closed position, i. e. that it is pushed all the way up.
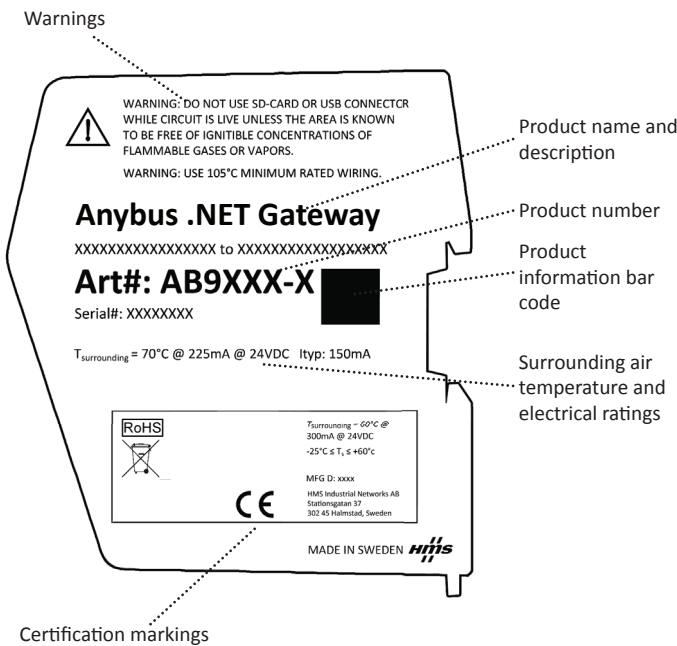
To mount the module, first hook it on to the DIN-rail (1), then push it against the DIN-rail to make it snap on (2).

To unmount the module, use a screwdriver to push the DIN-rail fastening mechanism on the back of the module down until it locks in a fixed and open position (1). Then unhook the module from the DIN-rail (2).

Note: Do not leave the module with the DIN-rail fastening mechanism in a fixed and open position. This may cause unneccessary wear on the fastening mechanism, so that it cannot be used efficiently. Be sure to push the DIN-rail fastening mechanism back into the fixed and closed position after unmounting the module, with reference to the picture below.

Label Markings

Warnings

WARNING: DO NOT USE SD-CARD OR USB CONNECTOR WHILE CIRCUIT IS LIVE UNLESS THE AREA IS KNOWN TO BE FREE OF IGNITIBLE CONCENTRATIONS OF FLAMMABLE GASES OR VAPORS.

WARNING: USE 105°C MINIMUM RATED WIRING.

Anybus .NET Gateway

XXXXXXXXXXXXXXXX to XXXXXXXXXXXXXXXXX

Art#: AB9XXX-X

Serial#: XXXXXXXX

$T_{surrounding}$ = 70°C @ 225mA @ 24VDC Ityp: 150mA

RoHS

$T_{surrounding}$ = 60°C @ 300mA @ 24VDC
-25°C ≤ T_s ≤ +60°C

MFG D: xxxx

HMS Industrial Networks AB
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302 45 Halmstad, Sweden

CE

MADE IN SWEDEN HMS

Product name and description

Product number

Product information bar code

Surrounding air temperature and electrical ratings

Certification markings

EMC Compliance (CE)

CE

This product is in accordance with the provisions of Swedish law to the Electromagnetic Compatibility Directive 2014/30/EU (EMC):

- **EN 61000-6-4 (2007)**
  Emission standard for industrial environment
  EN 55016-2-3, Class A (2010)

- **EN 61000-6-2 (2005)**
  Immunity for industrial environment
  EN 61000-4-2 (2009)
  EN 61000-4-3 (2006)
  EN 61000-4-4 (2012)
  EN 61000-4-5 (2014)
  EN 61000-4-6 (2014)