

CAN/USB-Converter-SUBD9 Installation

Connection

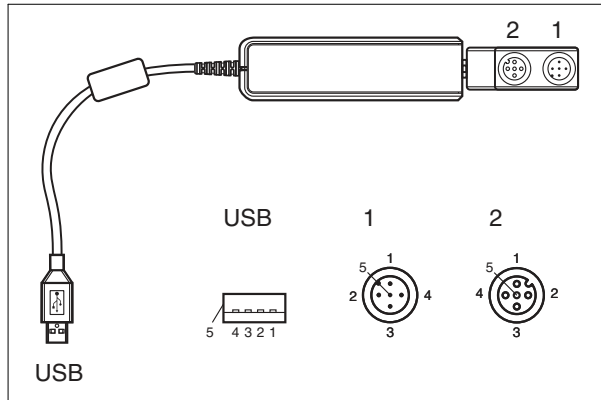


Figure 1

Connection assignment

Connection	Description	Pinout										
1	CAN bus	<table border="1"> <tr> <td>1</td> <td>CAN shielding</td> </tr> <tr> <td>2</td> <td>+24 V</td> </tr> <tr> <td>3</td> <td>CAN GND</td> </tr> <tr> <td>4</td> <td>CAN high</td> </tr> <tr> <td>5</td> <td>CAN low</td> </tr> </table>	1	CAN shielding	2	+24 V	3	CAN GND	4	CAN high	5	CAN low
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3	CAN GND											
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2	Power supply	<table border="1"> <tr> <td>1</td> <td>n.c.</td> </tr> <tr> <td>2</td> <td>+24 V</td> </tr> <tr> <td>3</td> <td>GND</td> </tr> <tr> <td>4</td> <td>n.c.</td> </tr> <tr> <td>5</td> <td>n.c.</td> </tr> </table>	1	n.c.	2	+24 V	3	GND	4	n.c.	5	n.c.
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USB	PC	<table border="1"> <tr> <td>1</td> <td>+5 V</td> </tr> <tr> <td>2</td> <td>Data-/USB-</td> </tr> <tr> <td>3</td> <td>Data+/USB+</td> </tr> <tr> <td>4</td> <td>GND</td> </tr> <tr> <td>5</td> <td>Shielding</td> </tr> </table>	1	+5 V	2	Data-/USB-	3	Data+/USB+	4	GND	5	Shielding
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4	GND											
5	Shielding											

Components

- A Power supply**
MDL PWR-SUP 24V 24W DIFF PLUG #301642
International power supply unit
MDL ACC PLUG-MIX PWR-SUP 24V #302888
Adapter set
Input: 90 ... 264 V_{AC}
Output: 24 V_{DC}; 1 A / max. 24 W
- B Connection cable power supply**
V1S-G-BK0,5M-PUR-U-YDCJACK #70148252
DC coupling 2.10 mm to M12 connector, 4-pin
- C Connection cable CAN bus**
V15-G-VT0,7M-PUR-U/CAN-V15-G-Y #70146315
M12 socket straight to M12 socket straight A-coded, 5-pin
- D Converter**
CAN/USB-Converter-SUBD9 #70135378
Interface converter USB to CAN
- E Adapter**
SUBD9-W-CAN+TR-V15S/V15 #70147380
Adapter Sub-D straight 9-pin to M12 plug / M12 socket straight A-coded 4-pin, terminator switchable

Connection

- (1) Set the bus terminator of the adapter **E** to "ON".
- (2) Connect the adapter **E** to the converter **D** via the SUBD9 connector.¹
- (3) Connect the CAN device (e.g. sensor) to input 1 via the connection cable CAN bus **C**.
- (4) Connect the converter **D** to a computer via USB.
- (5) Connect the power supply **A** to the adapter **D** via the connection cable power supply **B**.

Software

To operate the CAN/USB converter, you need drivers and software. You can find drivers and software on our website Pepperl-Fuchs.com.

1. if not pre-assembled