

Application

Connection to **CAN bus** system
by various connectors

Connection to **computer**
by USB connector



Scope of supply

Item designation	Description
CAN-USB	Mobile CAN-PC converter for PC-USB connection with electronic isolation CAN bus <==> USB-A interface (Connector) (USB/A connector)
CAN-USB-VRJ12	Connecting cable 0.15m CAN-USB adapter <==> FRIGOLINK master module (Socket) Bus connection socket (RJ12 plug)
CAN-USB-VK35	Connecting cable 0.15m CAN-USB adapter <==> Cold location controller (Socket) (3.5mm cinch)

Connection information

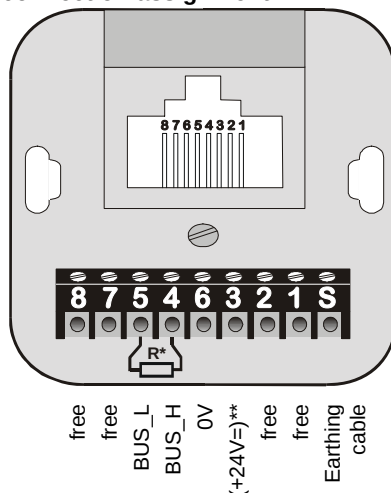
- The adapter is used to connect the CAN bus to computers or laptops.
- Use only the connecting cables supplied.
- Operation is usually through the USB interface on the computer.
- The permanently connected USB connector of the CAN-USB can be used only with USB interfaces on computers or laptops!
- For new installations, use the drivers supplied with the software.
- Two LEDs indicate the presence of data traffic on the CAN bus and the USB interface. Special function: alternate flashing of the LEDs in quick succession indicates that the CAN-USB is adjusting to a new CAN bus transmission speed. If the LEDs continue to flash alternately for longer than about 15 seconds, the CAN bus must be examined for possible faults.
- To use the CAN-USB with FRIGODATA XP, version 3.1 or higher is required. After this version is installed, the CAN-USB can be connected to your PC. If Windows asks for a driver, please navigate to the FRIGODATA XP installation folder "\\WURM\CAN-USB-Treiber\". FRIGODATA XP can now be started.

Bus connection box (not supplied)

Item designation	Description
Bus connection box	Wall surface-mounted connection box for CAN bus with screw terminals and RJ12 socket



Example of a possible CAN bus connection box with terminal numbering different from the CAN bus connection assignment:



Important:

When connecting the bus connection box, note that the terminal numbering sequence may differ from that of the CAN bus terminal assignment!

Terminal numbering depends on the manufacturer of the connection box!

Fixed terminal assignment for the CAN bus:

1	Free
2	Free
3**	24V
4	BUS_H
5	BUS_L
6	0V
7	Free
8	Free

Notes:

* Connect a terminating resistor if the connection box is located at the end of the bus line. (The terminating resistor must be connected between BUS-L and BUS-H)

** The 24V=connection was required for the power supply to the previous model (CAN-PC901).

Technical data

Power supply	5V=, supplied via PC-USB connection	
PC interface	1 x USB-A	
Connection lengths	PC-USB-A connector 0.2m, CAN bus 3m	
Housing	Plastic	
Case dimensions	(WxHxD) 105 x 45 x 185mm	
Ambient temperature	Operation: 0...+55°C, storage: -25...+70°C	
Weight	Approx. 250g (including accessories and case)	
CE conformity	– 2014/30/EU (EMC Directive)	
EAC conformity	– TR CU 020/2011	
	RoHS II	
Valid from	Version 1.6	

Pay attention to the general technical guideline and information on the CAN bus system!
This document automatically becomes invalid if a new technical description is issued.