

**Connector pin assignment CE-65 Profibus Encoder**

**General note:**

If the encoder is the last station in the profibus line, the DIP switches *DIP1* and *DIP2* for the profibus terminator (switching-on of the terminal resistance) must be switched on. Otherwise they must be switched off.

The cover with the terminals can be replaced while the encoder is alive. The profibus also works when the encoder is removed, except if it is the last station. The supply of the terminator is then missing.

In order to enable a separate wiring of incoming and outgoing signals the profibus terminals have two connection possibilities. Cables with twisted core pairs, recommended by Siemens, should be used.

For the + and - signals of RS485 twisted core pairs are to be used.

With the BCD address switches  $10^0$  and  $10^1$  the station address for the profibus can be set from 3 to 99. Select "yes" in the line "address switch" the section "Profibus" in the EPROG dialogue. Otherwise enter the profibus address directly in the EPROG dialogue, regardless of the position of the address switch.

**Explanation of terms:**

CE65:	Compact-Encoder with $\varnothing$ 65 mm
MINI-COMBICON:	Connector Phoenix MINI-COMBICON 8A/125V, grid 3.5 mm
US:	Supply voltage
US-input:	1-level > +8V, 0-level < +2V, up to $\pm$ 35V, 5 kOhm
US-output:	1-level > US-2V, 0-level < 1 V, up to 100mA

**X1 - MINI-COMBICON 5-pole**

- Pin 1 Profibus DataB
- Pin 2 Profibus DataA
- Pin 3 Profibus M5V2
- Pin 4 RS485 for PC-adapter and EPROG +
- Pin 5 *Do not wire!*

**X2 - MINI-COMBICON 5-pole**

- Pin 1 *Do not wire!*
- Pin 2 US-input for Preset 1
- Pin 3 US-input for Preset 2
- Pin 4 0V-Ground
- Pin 5 US-Power Supply

**X3 - MINI-COMBICON 6-pole**

- Pin 1 Profibus DataB
- Pin 2 Profibus DataA
- Pin 3 Profibus M5V2
- Pin 4 RS485 for PC-adapter and EPROG -
- Pin 5 *Do not wire!*
- Pin 6 *Do not wire!*

