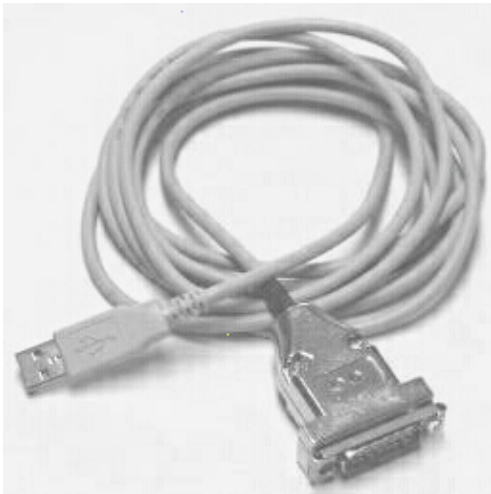


## Online Connections (S5 PLC > PC)

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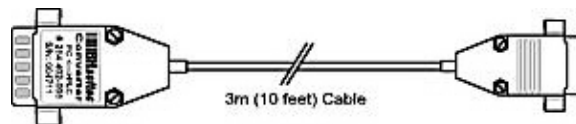
### PC USB Current Loop Converter



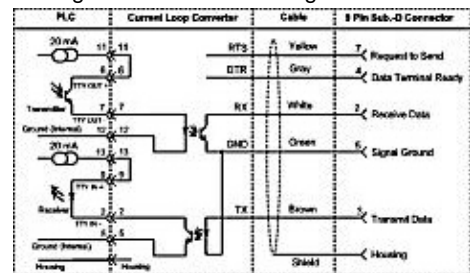
Couples the PC USB Port with the 15 pole X4/X5 interface port of the plc

- 15pin plug housings are made of solid metal
- Complete electronics in the plug housing
- Supply of the cable complete from the PC
- Is „active“ in relation of the plc
- Is working with standard S5-Software (Drivers for Windows 98(SE), ME, 2000 and XP included )

### Current Loop Converter

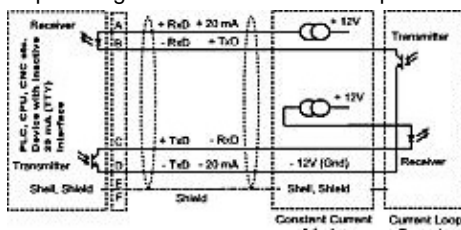


The SMD electronics are located in the 15 pin Sub.D connector shell. The pin assignment fits the following Simatic® PLC's: U90, U95, U100, U101, U115, U135, and U155. The PLC must be active and must supply the the loop current (2 x 20mA). The 9 pin Sub.D connector is plugged into the serial port (COM1 COM4) of the PC.



### Constant Current Adapter

Devices not supplying the loop current (2 x 20mA) need the Constant Current Adapter for connection. Two constant current (20mA) sources are located in the 15 pin Sub.D connector shell to supply the loop current. The adapter is delivered with a AC / DC adapter. The pin assignment matches the pin assignment of the Current Loop Converter.



#### Available Constant Current Adapters

**Type 1:** Pin assignment for Simatic® U90, U95, U100, U101, U115, U135, and U155. 15pin Sub.D female connector with the pin assignment A...9, B...2, C...6, D...7, E...1, F...8).

**Type 2:** Pin assignment for the CNC 800 series. 25pin Sub.D male connector with the pin assignment A...13, B...14, C...10, D...19, E...1, F...1.

**Type 3:** Pin assignment for the PLC U150. 25pin Sub.D female connector with the pin assignment A...21, B...20, C...19, D...18, E/F... shell.

**Type 4:** The pin assignment is compatible with the 20mA (TTY) serial connector of the programming devices (connector PG S5): PG 670, PG 675, PG 685, PG 635 and PG 750. 25pin Sub.D female connector with the pin assignment A...22, B...10, C...8, D...21, E/F...25.

**Type X:** Pin assignment on customers request.

### Extension Cable

The *S5 for Windows*® Current Loop Converter optically isolates the PLC from the PC. Cable length of several hundred meters (thousand feet) are possible (on the current loop side). The extension cable provides an extension between the PLC and the Current Loop Converter. The cable provides all the necessary lines and jumpers.

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