

## **TTY - USB (virtual RS232) interface for Siemens SIMATIC S5 PLC (passive)**

### **What is an USB virtual RS232 COM port?**

The provided drivers generate after the installation in your system a virtual interface RS232 COM (starting from COM3). After the connection of the interface with a USB slot is it automatically recognised and the COM number is released in Windows device manager. This COM number must be updated only in the configuration of the windows PLC-software applications. **For Siemens Step5 an additional driver is included.**

The virtual interface COM behaves compared with the software applications just as a normal physical interface RS232 COM would also do this.

With this interface converter you can operate your terminal equipments, which was operated up to now in the physical interface RS232 COM also in an USB connection furthermore.

### **Product description:**

The cable is 2.5m or 5.0m long and it's ready for connection to an USB port of the PC. The power supply is supplied by the USB port (no potential separation), the signal transmission between PLC / PC follows about optoelectronic coupler.

The cable and the plugs are shielded the voltage supply is suppressed. The 15-pin connector to PLC is available in different versions; with and without slide lock. The electronic components are assembled in a small (BTH 55x30x25mm) case. The professional construction is practically approved and mechanically absolutely stable. Being a PLC technician I can recommend the cable also for rough service use.

The data flow (send/TxD and receiving/RxD) is indicated by LED. The optical indicator of the data communication direction can substantially facilitate an error tracing!

To guarantee highest mechanical and electrical reliability, the complete electronics is embedded in epoxy resin. Thereby it is before mechanical, as well as before environmental factors protected. Therefore are in any case excluded the malfunctions which could originate from vibration or dampness.

Each converter is tested in our outgoing test with a PLC!

### **Functionality:**

The interface works with following CPUs Siemens S5 series:

**90U** CPU 90

**95U** CPU 95

**100U** CPU 100, 101, 102, 103

**115U** CPU 941, 942, 943, 943B, 944, 944B, 945

**135U** CPU 928B

**155U** CPU 946, 947

The interface was tested e.g. with the following PLC-software:

STEP5, WinSPS, PG2000, Accon-PG and S5 for Windows

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