

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

### **Product description:**

The cable is 2.5m or 5.0m long and ready for connection to 9-Pin port COM of a PC or HMI terminal. The power supply is supplied by the PLC (no potential separation), the signal transmission between PLC and 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 in 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

### **Why is the electronics assembled in an external case?**

The concept developed by practising experts contains except active elements also rectification and decoupling elements as well as a LED display for data transfer direction.

Unfortunately, all these parts do not fit in a small plug case!

With the help of the label on the case the interface is immediately and unambiguously identifiable, the assignment of the LEDs to the data lines is clearly recognizable.

**For these reasons we have renounced a minimum concept in the plug case!**

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