

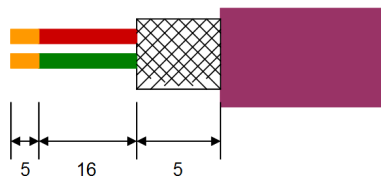
## Profibusconnector – CheapConn



- to connect a Profibus client or a Profibus netcomponent to the bus-line for Profibus
- transfer rate up to 12MBd
- cable connection via compression fitting technique
- one – screw – mounting - system
- inside shielded housing
- integrated connectible load-resistor (external accessible)
- integrated PD / diagnostic-plug
- 90° cable outlet
- different cable diameter useable
- 1:1 connection with all pins of the Profibusconnector to the PD / diagnostic plug

### Cable connection:

**Incoming line:** marked on the module: screw-type terminal **A** and **B**  
**Outgoing line:** marked on the module: screw-type terminal **A'** and **B'**



Depending on the thickness of the cable there have to inserted a filler at the back of the housing to reach the optimal cable clamping.

**Attention:** The shield of the cable doesn't get contact with the electronics. The best you can do, turn the shield to the back.

## **Termination:**

For the first and the last member at the bus connection, the switch for the termination **has** to be set to ON. The switch for the rest members **have** to be set to OFF.

**Note:** If the switch is set to ON, the outlet A' and B' will be shutdown.

<b>Ports/Case</b> Profibus PD / diagnostic Cable diameter Fixing screw Case Protections class	SubD 9 pin male SubD 9 pin female 5,0 mm – 8,0 mm 4 - 40 UNC ABS, V0 IP20
<b>Connection technology</b>	Screw / clamping technique
<b>Bus line</b> Characteristic impedance (ohm) Capacitance distribution (pF/m) Loop impedance (ohm/km) Strand diameter (mm) Strand section (mm <sup>2</sup> )	Type of circuit A, according to EN 50 170 135 ... 165 < 30 110 0,64 > 0,34
<b>Linear expansion</b> Baud rate in kbit/s 9,6 / 19,2 / 45,45 / 93,75 187,5 500 1500 3000 / 6000 / 12000	Length of segment in meter 1200 1000 400 200 100

## **Pin assignment:**

MPI / Profibus starting from the side of the PLC.

Signal name	Short form	Signal direction (viewed from the PLC)	PIN-Nr.
No funktion	NF		1
Ground 24V	M24V	Out	2
Data line B	Ltg_B	In + Out	3
Send Request from AS	RTS-AS	In	4
Ground 5V	M5V	OUT	5
5V output	P5V	IN	6
24V supply input	P24V	OUT	7
Data line A	Ltg_A	In + Out	8
Send Request to AS	RTS-PG	IN	9
Both sides of the SUB-D case			shielding

## **Note:**

All pins of the Profibus-SubD have a 1:1 connection to the diagnostic-SubD.

**Menutree Website:**

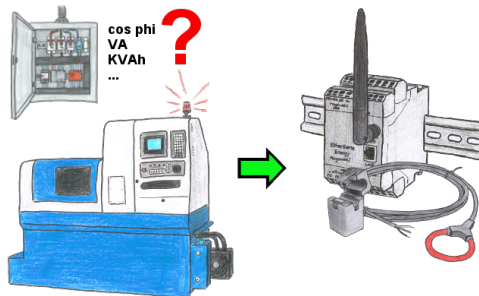
- + Products / docu / downloads
- + Accessories
  - + Connector plug / equipment
  - + Cheap-Conn

**QR-Code Website:**



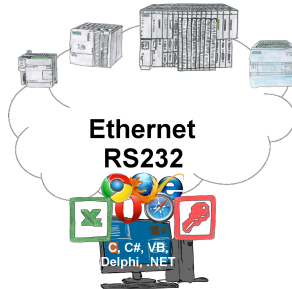
Please make sure to update your drivers before using our products.

Energy-data acquisition



Do you also need the energy-consumption of your plant or need to determine the  $\cos \phi$ ?  
With the EtherSens Energy you can capture and record by using a Rogowski-coil or folding-core the required values.

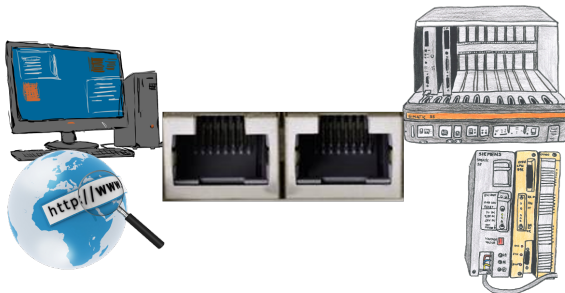
## Communication-driver for S7-PLC



S7-PLCs and you need data in your PC or production planning system?

The S7-communication-drivers connect the office-world with the control-world. Be it classic with a serial-port of the PC up to communication over the network. Thanks to additional adapters (such as S7-LAN), controllers without a LAN connection can be connected to the network. Nothing stands in the way of communication with an IP-address. On your PC for Windows as a DLL-file, for Linux as an object, you have tools where you can access the data of the controls by calling up functions such as "ReadBlock" or "WriteFlag". Tie for e.g. the DLL into your project and your application already has PLC-access or simply access the data with Excel and process it in Excel.

## S5-PLC over LAN



Communication with S5-PLC via Ethernet, just how and with what?

Data-communication with S5-PLC from PC or other devices via network, which interface is required. Questions you don't have to worry about. With "S5 over LAN" you get the right interface-products for your interface of the PLC.

Which one you use then is up to you.