

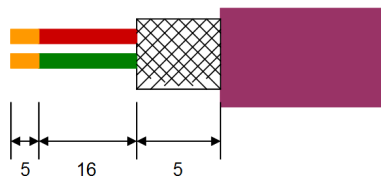
## Profibusconnector – CheapConn



- 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:**

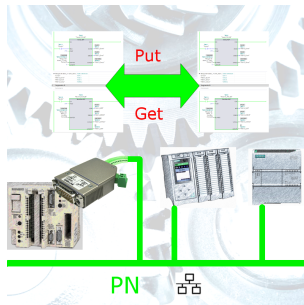
- + Products / docu / downloads
- + Accessories
  - + Connector plug / equipment
  - + Cheap-Conn

**QR-Code Website:**



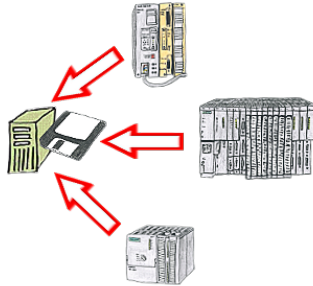
Please make sure to update your drivers before using our products.

S7-1200/1500 to S5



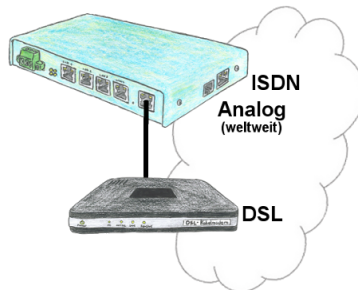
Coupling S7-controller with PN-port at S5-controller with PD-port via network

## Data logging of your PLC



You shortly need a logging of your PLC's operating states respectively are on the way of figuring out a problem and have no datalogger? No problem, connect the PC, start the PG-2000-software with "option datalogger", define relevant variables, appoint timestamp and then the recording starts running immediately. The data will be stored on the fixed disc according to the configuration.

## Universal coupling



You need a family of devices with which you can solve all your requirements? No problem! With the TELE-router you are able to establish a connection via analog, ISDN or PPPoE (DSL cable modem). The devices are compatible with each other in each case, so that no further additional hardware is needed.