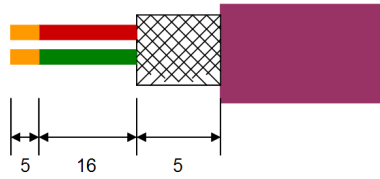
Profibusconnector – CheapConn

- 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.

Ports/Case	
Profibus	SubD 9 pin male
PD / diagnostic	SubD 9 pin female
Cable diameter	5,0 mm – 8,0 mm
Fixing screw	4 - 40 UNC
Case	ABS, V0
Protections class	IP20
Connection technology	Screw / clamping technique
Bus line	Type of circuit A, according to EN 50 170
Characteristic impedance (ohm)	135 … 165
Capacitance distribution (pF/m)	< 30
Loop impedance (ohm/km)	110
Strand diameter (mm)	0,64
Strand section (mm²)	> 0,34
Linear expansion	
Baud rate in kbit/s	Length of segment in meter
9,6 / 19,2 / 45,45 / 93,75	1200
187,5	1000
500	400
1500	200
3000 / 6000 / 12000	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

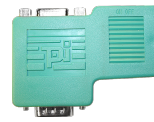
Note:

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

Menutree Website:

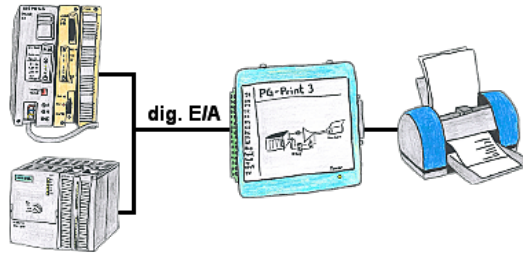
+ Products / docu / downloads
  + Accessories
    + Connector plug / equipment
      + Cheap-Conn

QR-Code Website:



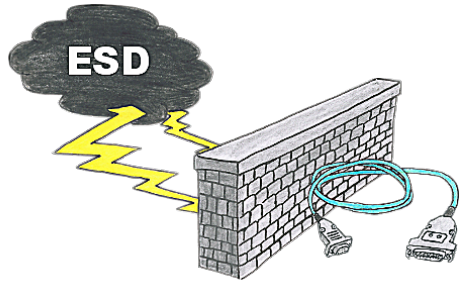
Please make sure to update your drivers before using our products.

Direct printing from the PLC via dig. I/O



You need production data, circulation lists of your PLC's, but don't want to use a CP or don't get a serial printer anymore? No problem, you need 8 digital outputs and 3 digital inputs of the PLC, and if you connect the PG-Print at it you can generate these lists with a EPSON- or HP-compatible parallel printer.

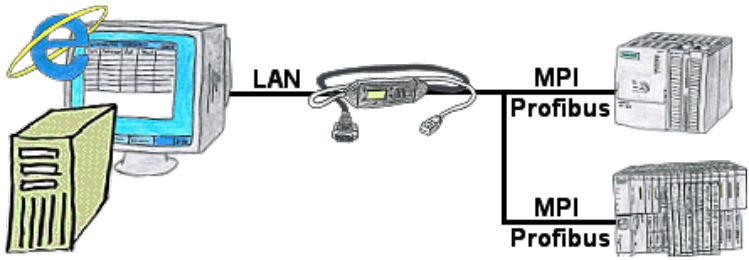
Insensible communication with the S5-PLC



Safe communication with the S5-PLC in an environment of radiant-converters and motor-controls. Electrostatic-charging is also a KO-criterion for operation of interface-cable, a discharge and the interface-product is damaged or even defective.

PG-UNI-II is prepared for this, with its full-metal-cast-housing and ESD-proof components it offers the best protection against such influences. The shielding of the cable connected to the metal-housing is the solution. Of course, the cable can be extended to a TTY-distance of up to 300m, using of adapter for PG-UNI-cables is also possible.

Variable-chart without Step7-programming package



You would like to give your customer the opportunity to read current numbers of the manufacturing Online, without installing a visualisation or even the STEP7-package? Then a S7-LAN with the option Status Variable" is needed, and your customer can take a look at these password protected data on a site of the integrated webserver.