

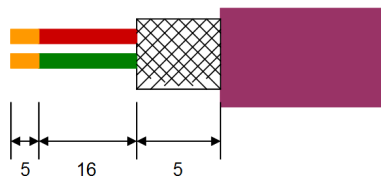
Profibusconnector – CheapConn



- 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 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
Connection technology	Screw / clamping technique
Bus line Characteristic impedance (ohm) Capacitance distribution (pF/m) Loop impedance (ohm/km) Strand diameter (mm) Strand section (mm ²)	Type of circuit A, according to EN 50 170 135 ... 165 < 30 110 0,64 > 0,34
Linear expansion 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.

Under the web-address <https://www.process-informatik.de> are product specific documentations or software-driver/-tools available to download.
If you have questions or suggestions about the product, please don't hesitate to contact us.

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Menutree Website:

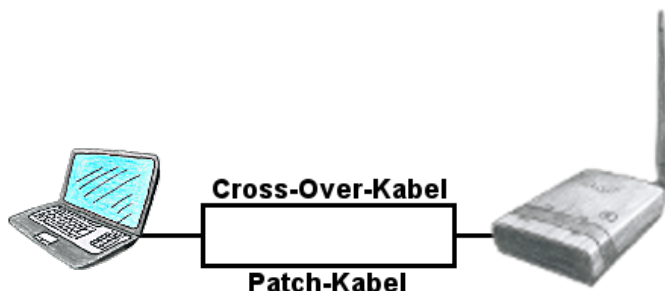
- + Products / docu / downloads
- + Accessories
 - + Connector plug / equipment
 - + Cheap-Conn

QR-Code Website:



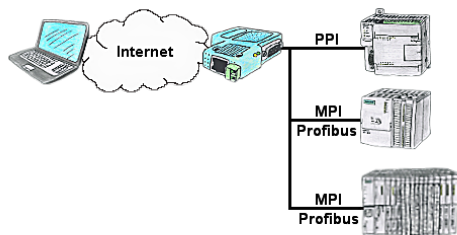
Please make sure to update your drivers before using our products.

Autonegotiation on RJ-45



You need ALF to connect to a reachable WLAN, but only have a patch-cable? No problem, ALF provides "autonegotiation" and this means that he recognises a connected cable (patch-cable or cross-over-cable) and surround the pinning according to the cable, so a communication is possible.

Remote maintenance of your S7-PLC-device via LAN / Internet



You have access to a on-site network and your PLC-device has no LAN-connection? No problem, plug the S7-LAN on the PLC-device and you will have immediate access to the PLC from afar.