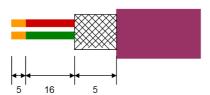
Profibusconnector – CheapConn



- 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.

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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 - + Connector plug / equipment
 - + Cheap-Conn







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

Extension of a 3964R-line via LAN



There is a control with CP524 in your outstation and the communication partner of the CP has moved locally. Connecting path is a LAN-network. So each of both participants gets a 3964R-LAN and after input of the partner's IP-address a coupling via LAN will be configured.

Wireless around the machine with LAN-port



Move wirelessly around the machine with LAN-port and communicate for example ONLINE in the status