

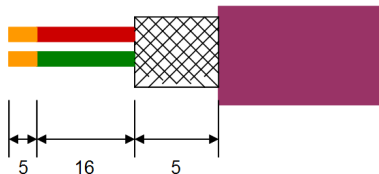
Profibusconnector – CheapConn



- 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.

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Menutree Website:

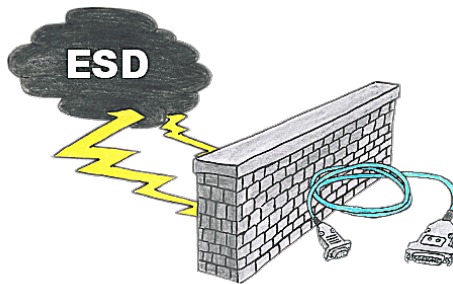
- + Products / docu / downloads
- + Accessories
 - + Connector plug / equipment
 - + Cheap-Conn

QR-Code Website:



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

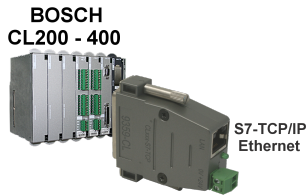
Insensible communication with the S5-PLC



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.

BOSCH-CL <=> S7-TCPIP



Bring your BOSCH-CL control CL200 - CL400 into the network

Link the PLC with your production-data-acquisition or other Industry 4.0-applications

Communicate with the controller as if you were talking to an S7-PLC, but the data comes from the CL-PLC

Networking CL-controllers without much effort (set the IP-address to match your subnet in the module, nothing more)

Remote-maintenance Pilz-PLC with firewall



Remote-maintenance of a Pilz-controller with network-connection via secure VPN-tunnel and scalable firewall