PROFIBUS bus connectors up to 12 MBaud

- ZB3100 with connectable terminator
- ZB3101 with connectable terminator and programming interface

Installation instructions

The Profibus connectors ZB3100 and ZB3101 serve to connect Profibus stations on the Profibus. Besides featuring a module interface, the ZB3101 also has a programming interface for connecting PG units, for example.
Note:
In a Profibus system, the first and last respective stations on the bus must feature a connectable terminator. The terminator is activated by the slide switch in the connector.
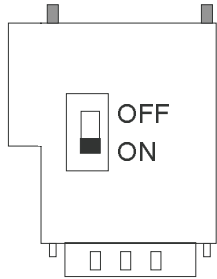
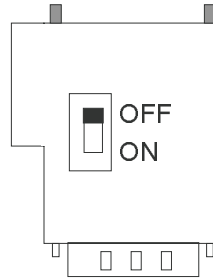Figure 1: Setting for the first and last bus stations (terminator active)

Figure 2: Setting for the other bus stations (terminator not active)

1. Stripping the bus cables

Strip the bus cable to the lengths given in Figure 3.
Note:
Only one bus cable leads to the first and last Profibus stations.
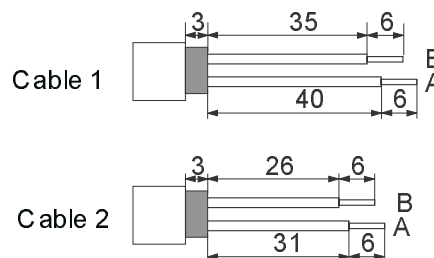
Figure 3: Stripping the bus cables

2. Fitting the bus cable

The bus cable can be routed from above (Figure 5) or from the side (ZB3100 only, Figure 4) into the connector (Figure 6 shows insertion of the bus cable from the side). Please follow the steps given below when fitting the bus cable:

1) Open the connector housing by undoing the two housing screws①.
2) Undo the two pull relief screws②
3) Connect the connecting wires to the corresponding terminals (in doing so, always assign the corresponding wire pairs to one connection terminal, e.g. black wire of cable 1 and black wire of cable 2 is connected to the 2 A sockets). To open the terminal contacts, press into the corresponding opening③ from above with a screwdriver.
4) Press the two cables in to the pull relief guide ④ and screw the two pull relief halves together (pay attention to good screen contact).
5) Make sure that the slide switch⑤for the terminators is in the right position (see above).
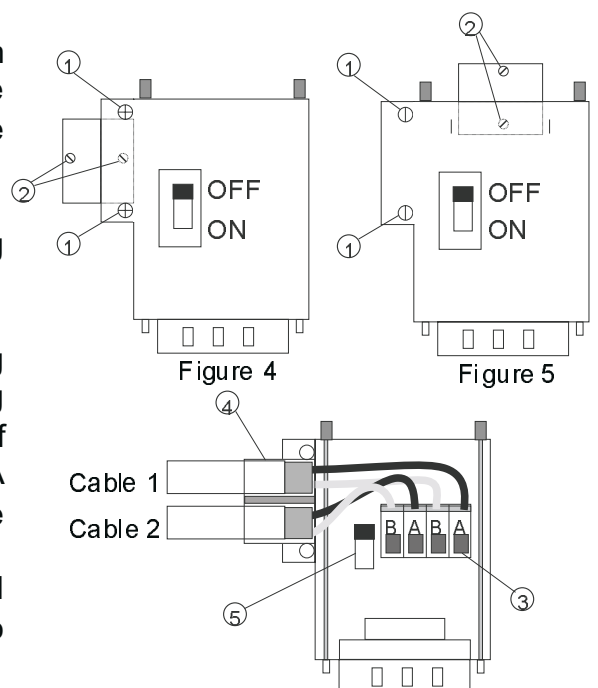6) Firmly screw down the cover again.

Figure 4

Figure 5

Figure 6: Fitting the bus cable