

Installation

AS 235 H

4.5 Using the Bus Components

The CS 275 bus system enables information exchange between the devices of the TELEPERM M process control system over a distance of 20 m (local bus) or 4 km (remote bus). The local bus is redundant in its standard version; the remote bus can be made redundant if required.

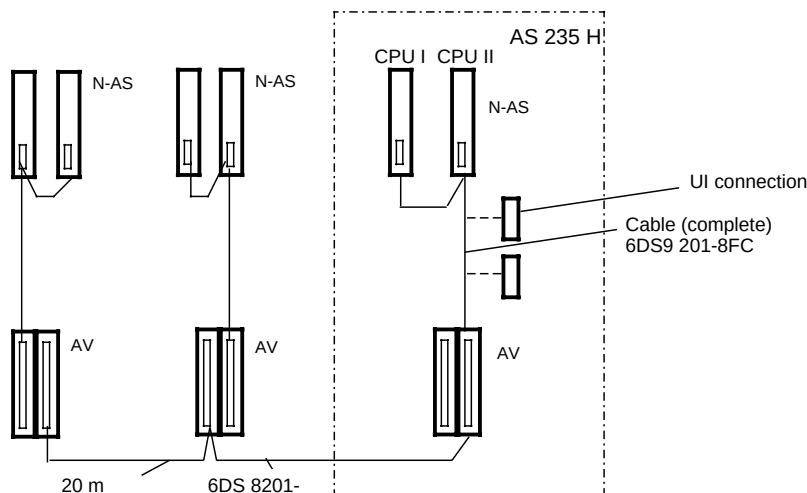


Caution

The maximum distance between devices on the local bus is 20 m; the earth potential difference between the systems may not exceed 0.2 V.

Further remote systems can be interconnected via the 4-km remote bus (inductive connection). Up to 32 local buses with up to 99 participants can communicate with each other. More details concerning the CS 275 bus system in the Manual CS 275, Order No. C79000-G8076-C006.

4.5.1 Local Bus



AV = Connection distribution in the SES

Fig. 4.13 Local bus connection

The AS may be linked with other AS or OS systems via the local bus interface module 6DS1223-8AA (N-AS) or 6DS1220-8AA (N8-H) and the connection distribution unit. The connecting cable between the systems has only a connector at one side; the open end must be connected to the connector of the next connecting cable (1:1 with regard to core color code and number of rings). A single front connector 6DS9 200-8AA must be connected to the open end of the last connecting cable.



Caution

The S11 and S12 switches must be set to EIN [ON] position if N-AS/N8-H is used. Both switches must be set to AUS [OFF] if an N-AS/N8-H module has not been installed.

AS 235 H

Installation

- **Local bus interface module N8-H (bus processor)**

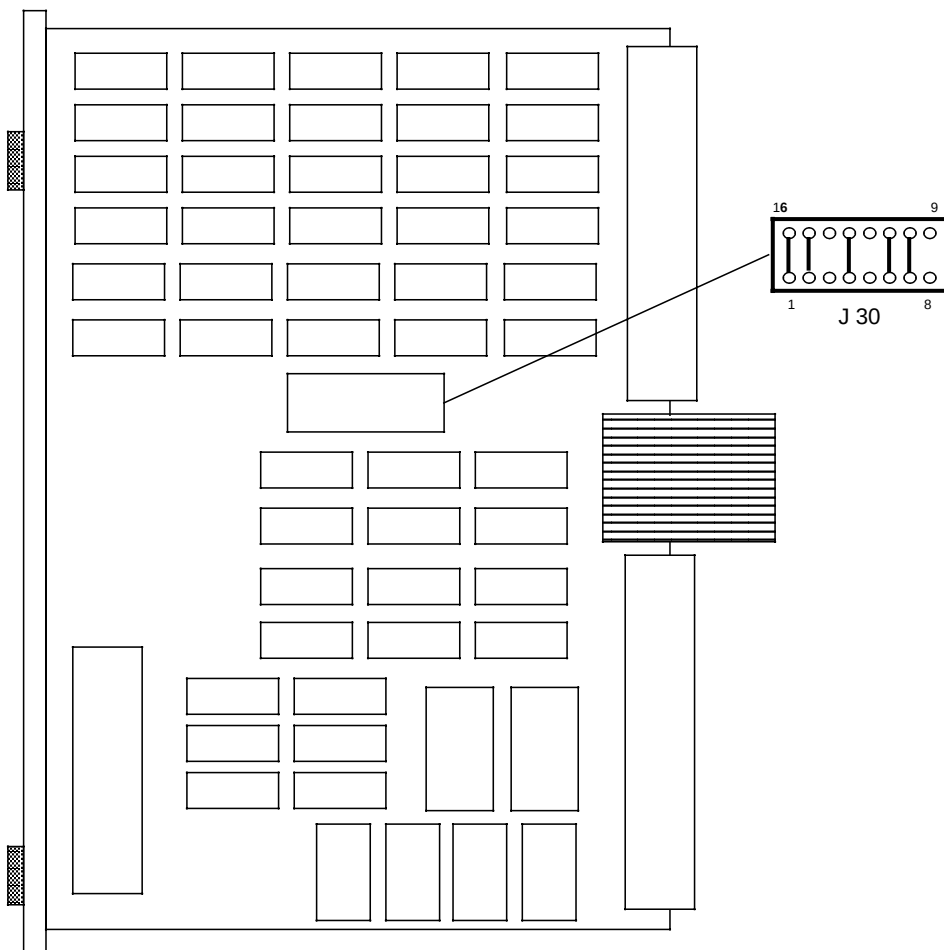


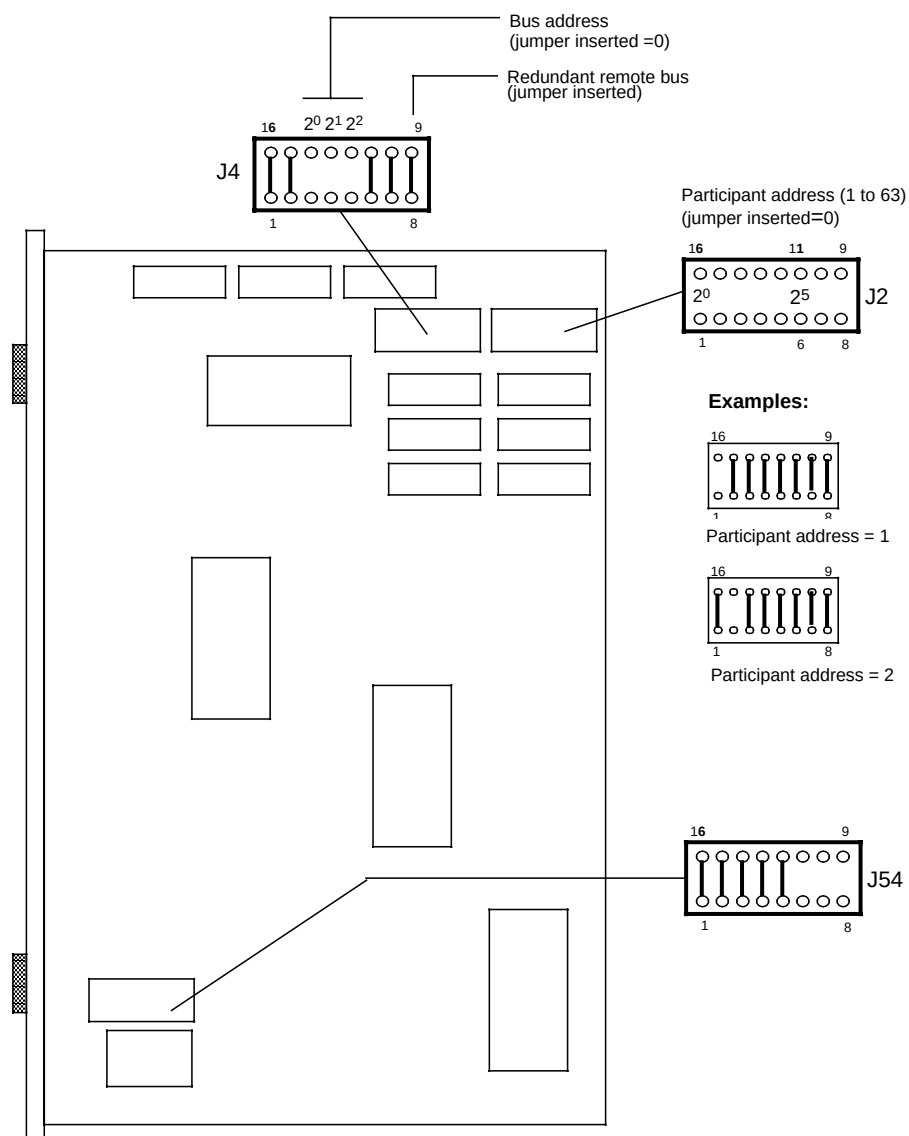
Fig. 4.37 Local bus interface module N8-H, 6DS1 220-8AA (bus processor)

The shown jumper configuration has been set up in the factory and must not be modified. The jumpers can only be accessed after the bus interface module has been removed from the bus processor module.

Installation

AS 235 H

• Local bus interface module N8-H (bus interface)



Jumper setting is to be performed in the same manner as if the module were to be used in a TELEPERM M AS 220 EHF or AS 220 H system.

Fig. 4.38 Local bus interface module N8-H 6DS1 220-8AA (bus interface)



Caution

Setting BA=0 and TA=0 (i.e. all jumpers of J2 and J4 inserted) is not permitted.
The jumper settings on CPU I and CPU II must be identical.
CPU I bus address = CPU II bus address
CPU I participant address = CPU II participant address



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PRODUCT: 6DS1220-8AA / Siemens TELEPERM M N8-H Local Bus Interface Module

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