1.5.4 Serial interfaces

Serial interface CONSOLE

A terminal (e.g. an IBM-PC with 907 PC 33 in Terminal mode) can be connected to the CONSOLE interface for commissioning. The CONSOLE interface can be used to

- configure the telephone directory or configure data (only in the case of dial-up modems),
- follow the communication sequence (faultfinding during commissioning). This function can be deactivated after commissioning.

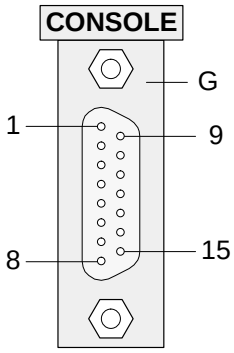
Serial interface RCOM

The RCOM network is connected to this interface. It is connected via a modem with standard interface.

Serial interface CONSOLE: Terminal assignment

Interface standard: EIA RS-232

5



G	Housing	Protective Ground	(Shield)	
1	PGND	Protective Ground	(Shield)	
2	TxD	Transmit Data	(Output)	(EIA RS-232)
3	RxD	Receive Data	(Input)	(EIA RS-232)
4	RTS	Request To Send	(Output)	(EIA RS-232)
5	CTS	Clear To Send	(Input)	(EIA RS-232)
6	NC *			
7	SGND	Signal Ground	(0V)	(EIA RS-232)
8				
to				
15	not connected			

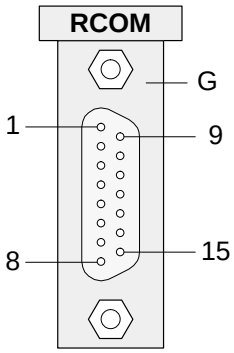
***** NC not connected, this pin must not be connected.

Fig. 7: Terminal assignment of the serial interface CONSOLE

Serial interface RCOM: Terminal assignment

Interface standard: EIA RS-232 or EIA RS-485

6



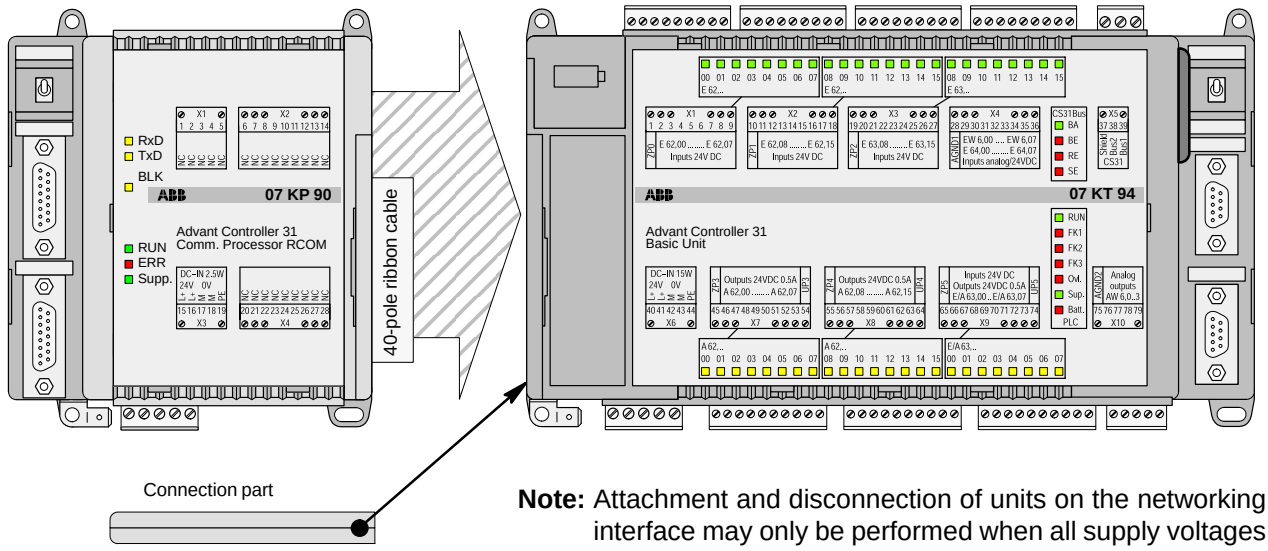
G	Housing	Protective Ground	(Shield)	
1	PGND	Protective Ground	(Shield)	
2	TxD	Transmit Data	(Output)	(EIA RS-232)
3	RxD	Receive Data	(Input)	(EIA RS-232)
4	RTS	Request To Send	(Output)	(EIA RS-232)
5	CTS	Clear To Send	(Input)	(EIA RS-232)
6	NC *			
7	SGND	Signal Ground	(0V)	(EIA RS-232)
8	not connected			
9	not connected			
10	RxD-P, TxD-P	Receive Data	(Input)	(EIA RS-485)
11	RxD-N, TxD-N	Receive Data	(Input)	(EIA RS-485)
12				
to				
15	not connected			

***** NC not connected this PIN must not be connected

Fig. 8: Terminal assignment of the serial interface RCOM

1.5.5 Networking interface (7)

The networking interface, a special parallel interface, allows the 07 KP 90 R303 communication module to be connected to AC31 basic units (such as 07 KR 91 R353, 07 KT 92, 07 KT 93, 07 KT 94). The housing of the communication module is connected to the housing of the AC31 basic unit by a snap-fit connection. The electrical connection is via a 40-pole ribbon cable with socket connector, soldered onto the 07 KP 90 R303 side.



Note: Attachment and disconnection of units on the networking interface may only be performed when all supply voltages are switched off.

Fig. 9: Example: Connecting 07 KP 90 R303 with 07 KT 94

Mounting the expansion housing

1. Detach the cover on basic unit 07 KT 94 from the networking interface.
2. Plug the socket strip of the 40-pole ribbon cable secured to the 07 KP 90 R303 onto the networking connector of the 07 KT 94.
3. Place both units on a level surface and slide them together so that they engage.
4. Slide in the connection part to fix the housing in position.

Note: Mounting of the 07 KP 90 R303 to 07 KR 91 / 07 KT 92 / 07 KT 93 takes place in a similar way.