Communication - CP 521 SI

Area of application

The CP 521 SI communications processor enables point-to-point connection to any device equipped with a serial interface (V.24 (RS 232), 20 mA (current loop)). These include printers, terminals and monitors.

The CP 521 SI can act as a MODBUS interface when using a MODBUS operating system submodule, which must be ordered separately.

Functions

Two modes can be selected for the communications processor:

- Print mode Output of message texts on screen or printer
- Communication mode Output of telegrams on printer, screen, etc.

The following types of transmission can be parameterized for communication mode:

- ASCII driver for free protocol communication (transparent or interpretive)
- 3964(R) driver
- SINEC L1 driver for bus communication
- Terminal driver for operation and monitoring

Technical Specifications

	CP 521 SI
32 Kbyte on memory submodule	User memory

1 bidirectional V.24 (RS 232) or 20 mA (current loop) interface	Interface
110 to 9600 bit/s	Data transfer rate
10/11 bit character frame with 7/8 data bits	Data format
DTR, RTS, DSR, CTS	Handshake signal
	Software protocol
XON/XOFF protocol	• In print mode
No protocol	
Free protocol (ASCII driver)	• In communications mode
3964 (R) protocol	
SINEC L1 protocol	
Protocol for operator control and process monitoring	
	Data communication
Max. 255 message frames of 80 characters each	• In print mode
Variable frame length max. 256 byte	• In communications mode