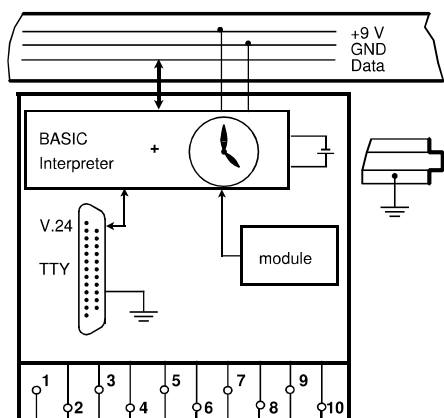
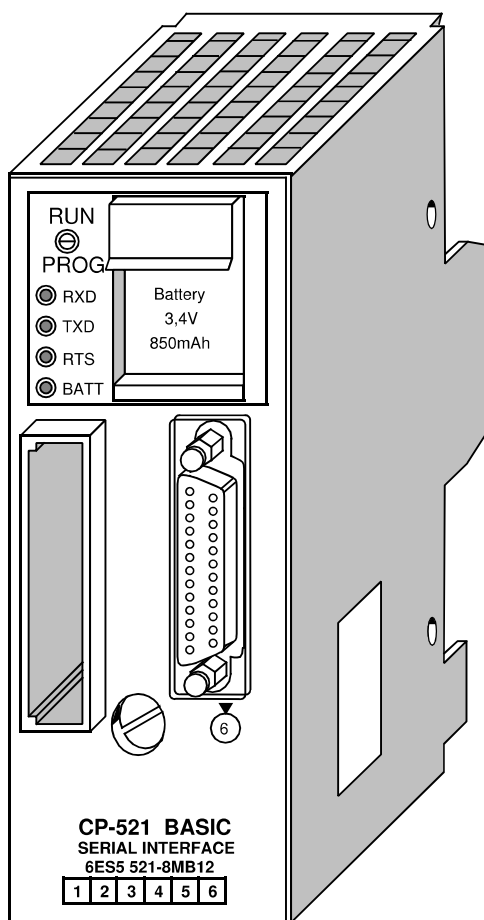


15.13.2 Communications Module CP 521 BASIC

(6ES5 521-8MB12)



Technical Specifications

Galvanic isolation	TTY signals are isolated
Memory submodule	EPROM/EEPROM/ RAM
Serial interface	V.24 (RS-232-C)/TTY, passive
Real-time clock	
- accuracy	± 1 s/day at 25 °C (77 °F)
- variation due to temperature change t_V (ambient temperature T_A in °C)	-10 to +70 °C 1 s to -11 s according to data sheet
Quartz frequency	14.7456 MHz
Transmission mode	asynchronous 10-bit character frame/11-bit character frame
Baud rate	110 to 9600 Bd
LEDs	
- TXD	send data
- RXD	receive data
- RTS	ready to send
- BATT (yellow)	battery low
Permiss. length of cable	
- TTY dependent on: voltage drop on the +line	
- typical for receiver	1.5 V+
- typical for sender	0.9 V
- V.24	15 m (50 ft.)
Back-up battery	
lithium AA	3.4 V/850 mAh
Life expectancy	1 year minimum
Degree of protection	IP20
Permiss. ambient temperature	
- horizontal arrangement	0 to 60 °C (32 to 140 °F)
- vertical arrangement	0 to 40 °C (32 to 104 °F)
Relative humidity	15% to 95%
Current consumption from +9 V (CPU)	typ. 180 mA
Power loss of the module	typ. 1.6 W
Weight	approx. 500 g (1 lb. 1.5 oz.)

Note:

It is only possible to run the CP 521 with the interrupt processing if the interrupts are disabled at the end of the OB1 cycle and enabled again at the beginning of the OB1 cycle.