AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7340-1BH00-0AE0

TTY Serial Communication Processor

INTERFACE	MAXIMUM RATE	CONNECTOR	MAX. TELEGRAM
20 mA TTY	**9.6 kbaud**	**9-pin Sub-D female**	**1024 bytes**

Siemens 6ES7340-1BH00-0AE0 is the CP 340 communication processor with a twenty-milliampere TTY current-loop interface. It connects supported communication partners to SIMATIC S7-300 through configured point-to-point messaging. The exact interface supports transmission rates up to nine-point-six kilobaud.

01 VERIFIED TECHNICAL INFORMATION

Serial interface	20 mA TTY current loop
Maximum interface rate	9.6 kbaud
Front connector	9-pin Sub-D female with screw fixing
Current sources	Two isolated 20 mA current sources
Transmission distance	100 m active; 1000 m passive, under the documented cable conditions
Backplane supply	5 V via S7-300 backplane bus
Backplane current	220 mA maximum

Manufacturer evidence: CP 340 Point-to-Point Communication: Installation and Parameter Assignment; exact-model manual section.

02 TECHNICAL INFORMATION CONTINUED

Typical power loss	0.85 W
Protocol drivers	ASCII, 3964(R) and printer driver
Maximum telegram length	1024 bytes for ASCII and 3964(R)
Cyclic user-data transfer	14 bytes sending; 13 bytes receiving per program cycle
Interface isolation	TTY loops and current sources isolated from S7 internal supply
Diagnostic indicators	TXD, RXD and SF LEDs

03 SOURCE AND CONFIGURATION CHECKS

The processor provides transmit, receive and fault indicators, with communication coordinated by function blocks in the controller program. Its firmware supports documented ASCII, 3964(R) and printer functions. Interface wiring, active or passive current-loop operation and protocol parameters must match the connected partner.

Packed dimensions and supplied-unit origin must be checked against the actual delivery. No verified gross shipping weight is inferred from module net mass.

Siemens original documentation and product reference

AMIKON PRODUCT SUPPORT

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