AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7241-1CH32-0XB0

RS422/485 Serial Communication Module



INTERFACE	CONNECTOR	XON/XOFF	POWER LOSS
RS422 / RS485	**9-pin D-sub female**	**RS422 only**	**1.1 W**

Siemens 6ES7241-1CH32-0XB0 is a SIMATIC S7-1200 CM 1241 communication module with one RS422/RS485 interface. A nine-pin D-sub female connector provides the serial connection, with Freeport and the documented Modbus RTU functions available to the configured application.

01 VERIFIED TECHNICAL INFORMATION

Serial interface	1 x RS422/RS485
Connector	9-pin D-sub female
Selectable baud rates	300 to 115200 baud; discrete manufacturer-listed settings
Data bits per character	7 or 8
Stop bits	1 (default) or 2
Parity selections	None, even, odd, mark or space
Flow control	XON/XOFF supported in RS422 mode

Manufacturer evidence: Data sheet 6ES7241-1CH32-0XB0; exact-model manual section and manufacturer data sheet.

02 TECHNICAL INFORMATION CONTINUED

Shielded cable length	1000 m maximum, baud-rate dependent
Termination	External termination required; configure bias for the selected mode
Protocol functions	Freeport; Modbus RTU master or slave; ASCII/USS library functions
Freeport telegram length	1 kbyte maximum
Degree of protection	IP20
Operating ambient temperature	Horizontal: -20 to +60 C; vertical: -20 to +50 C
Power dissipation	1.1 W

03 SOURCE AND CONFIGURATION CHECKS

RS422 and RS485 require coordinated mode, pin assignment, termination, biasing and partner settings; XON/XOFF is RS422-only. Historical Siemens sources list 220 mA, while the photographed FS02 label states 5 VDC, 240 mA. This unresolved difference must not override the supplied-unit rating.

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 manufacturer reference (scope stated in source)

AMIKON PRODUCT SUPPORT

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