SIMATIC ET 200S 1 SI MODBUS/USS

Product Data Sheet

6ES7138-4DF11-0AB0

Single-channel serial interface module

SERIAL CHANNEL COUNT	SUPPLY VOLTAGE	REVERSE POLARITY PROTECTION	SUPPLY CURRENT
1	**24 V DC**	**Included**	**80 mA maximum; 20 mA typical**

Siemens 6ES7138-4DF11-0AB0 is the ET 200S 1 SI serial interface module with Modbus and USS drivers. One channel supports RS232, RS422 or RS485 signaling at transmission rates up to 115.2 kbit/s. The 15 mm electronics module operates from 24 V DC.

01 TECHNICAL DATA

Serial channel count	1
Supply voltage	24 V DC
Reverse polarity protection	Included
Supply current	80 mA maximum; 20 mA typical
Backplane current	10 mA maximum at 3.3 V
Typical dissipation	1.2 W
Maximum serial rate	115.2 kbit/s
Protocol drivers	Modbus and USS
Electrical interfaces	RS232, RS422 and RS485
Data bits	8 per character

Siemens 6ES7138-4DF11-0AB0 original product data, applicable source pages 1, 2.

02 ADDITIONAL PRODUCT DATA

Stop-bit selection	1 or 2; USS uses 1
Parity selection	None, odd or even; USS uses even
Cycle transfer allowance	32 bytes send and receive with specified IM revisions; otherwise 8
RS232 cable limit	15 m
RS485 cable limit	1200 m

03 PRODUCT FUNCTION

Eight-bit character data can be combined with selectable framing and parity settings, subject to the USS format restrictions. RS232 wiring extends to 15 m and RS485 wiring to 1200 m. Separate RxD, TxD and group-error LEDs indicate communication activity and faults.

04 SYSTEM COMPATIBILITY

Use the correct terminal signals and shielding for the selected electrical standard. Observe the 15 m RS232 or 1200 m RS485 cable allowance.

05 REFERENCE

Siemens 6ES7138-4DF11-0AB0 original product data, applicable source pages 1, 2.

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