MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES7138-4DF11-0AB0

SINGLE-CHANNEL SERIAL INTERFACE MODULE

Used with the applicable SIMATIC ET 200S 1 SI MODBUS/USS configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

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

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Data sheet 6ES7138-4DF11-0AB0



Figure similar

*** Spare part *** SIMATIC DP, Electronics module for ET 200S, 1 SI serial interface 1-channel, 15 mm width, RS232/422, 485 MODBUS/USS

Supply voltage	
Rated value (DC)	24 V
Reverse polarity protection	Yes
Input current	
from supply voltage L+, max.	80 mA; Typ. 20 mA
from backplane bus 3.3 V DC, max.	10 mA
Power loss	
Power loss, typ.	1.2 W
Storage	
Standard blocks	11 100 byte; Modbus: S_SEND 2700, S_RCV 2400, S_MODB 6000; USI: S_SEND 2700, S_RCV 2400, S_USST 1900, S_USSR 2600, S_USSI 1500
Interfaces	
Number of interfaces	1
Point-to-point connection	
● Transmission rate, max.	115.2 kbit/s; half duplex: 110, 300, 600, 1 200, 2 400, 4 800, 9 600, 19 200, 38 400, 57 600, 76 800, 115 200 bps
Integrated protocol driver	
— Modbus	Yes
— USS	Yes
Signals	
— RS 232C	RS 232C signals: 8 (TxD, RxD, RTS, CTS, DTR, DSR, DCD, PE)
— RS 422	TxD(A), RxD(A), TxD(B), RxD(B), GND
— RS 485	R/T(A), R/T(B), GND
Character frame (adjustable)	
— Bits per character	8
— Number of start/stop bits	1 or 2 (USS only 1)
— Bits per character frame	10 or 11 (USS only 11 bit)
— Parity	none, odd, even (USI even only)
Data quantity per PLC sampling cycle	
— Send	32 byte; With IM151-1 Standard as of 6ES7151-1AA04-0AB0; with IM151-1 High Feature as of 6ES7151-1BA01-0AB0; otherwise 8 bytes
— Receive	32 byte; With IM151-1 Standard as of 6ES7151-1AA04-0AB0; with IM151-1 High Feature as of 6ES7151-1BA01-0AB0; otherwise 8 bytes
Interface types	
RS 232	
● Cable length, max.	15 m
RS 485	
● Cable length, max.	1 200 m
Interrupts/diagnostics/status information	

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Diagnostics indication LED	
● Receive RxD	Yes
● Transmit TxD	Yes
● Group error SF (red)	Yes
Potential separation	
Potential separation interface	
● Between RS 422/485 and internal power supply	Yes
● between RS 232 and internal power supply	Yes
Ambient conditions	
Ambient temperature during operation	
● min.	0 °C
● max.	60 °C
Dimensions	
Width	15 mm
Height	81 mm
Depth	52 mm
Weights	
Weight, approx.	50 g

Classifications

	Version	Classification
eClass	16	27-24-26-08
eClass	14	27-24-26-08
eClass	12	27-24-26-08
eClass	9.1	27-24-26-08
eClass	9	27-24-26-08
eClass	8	27-24-26-08
eClass	7.1	27-24-26-08
eClass	6	27-24-26-08
ETIM	10	EC001604
ETIM	9	EC001604
ETIM	8	EC001604
ETIM	7	EC001604
IDEA	4	3564
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

Miscellaneous | Manufacturer Declaration

General Product Approval | **EMV** | **For use in hazardous locations**

China RoHS

For use in hazardous locations

Miscellaneous | CCC-Ex

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