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Data sheet 6ES7441-1AA03-0AE0

SIMATIC S7-400, CP 441-1 COMMUNICATIONS MODULE FOR POINT TO POINT CONNECTIONS 1 CHANNEL INCL. CONFIG. PACKAGE ON CD

Supply voltage	
Rated value (DC)	
• 5 V DC	Yes
• 24 V DC	Yes
Input current	
from backplane bus 5 V DC, max.	700 mA; Without interface module
Interface modules	
• 20 mA (TTY), power consumption from 5 V/24 V, max.	300 mA at 5 V, 45 mA at 24 V
• RS 422/485 (X.27), power consumption from 5 V, max.	300 mA
• RS 232C (V.24), power consumption from 5 V, max.	300 mA
Memory	
Memory requirements per interface in memory card of S7-CPU	1 to 5 KB for parameters; 0 to 55 KB for message texts
Interfaces	
Number of interfaces	1; variable
Interface physics, 20 mA (TTY)	Yes
Interface physics, RS 232C (V.24)	Yes
Interface (physical) RS 422/485 (X.27)	Yes
20 mA (TTY), cable length shielded, max.	1 000 m
RS 232, cable length shielded, max.	10 m
RS 422/RS 485, cable length shielded, max.	1 200 m
Point-to-point	
• Transmission rate, max.	38.4 kbit/s
• supported printers	HP-Deskjet, HP-Laserjet, IBM-Proprinter, user-defined
Integrated protocol driver	
— 3964 (R)	Yes
— ASCII	Yes
— Printer	Yes
Transmission rate, 20 mA (TTY)	
— with 3964 (R) protocol, max.	19.2 kbit/s
— with ASCII protocol, max.	19.2 kbit/s

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— with printer driver, max.	19.2 kbit/s
Transmission rate, RS 422/485	
— with 3964 (R) protocol, max.	38.4 kbit/s
— with ASCII protocol, max.	38.4 kbit/s
— with printer driver, max.	38.4 kbit/s
Transmission speed, RS 232	
— with 3964 (R) protocol, max.	38.4 kbit/s
— with ASCII protocol, max.	38.4 kbit/s
— with printer driver, max.	38.4 kbit/s

Communication functions	
S7 communication	
• S7 extended communication	Yes
Number of connections	
• overall	8

Configuration	
Configuration software	
• STEP 7	Yes; own parameter assignment forms

Dimensions	
Width	25 mm
Height	290 mm
Depth	210 mm

Weights	
Weight, approx.	720 g; Interface module: 100 g

last modified: 08/12/2017

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