

SIMATIC S7-400, coupling module CP 441-1 for point-to-point connections, 1 channel incl. configuration package on CD



Figure similar

General information	
Product type designation	CP 441-1 PtP
Supply voltage	
Rated value (DC)	
• 5 V DC	Yes
• 24 V DC	Yes
Input current	
from backplane bus 5 V DC, max.	600 mA; Without interface module
Interface modules	
• 20 mA (TTY), power consumption from 5 V/24 V, max.	100 mA from 5 V; 45 mA from 24 V
• RS 422/485 (X.27), power consumption from 5 V, max.	250 mA; From 5 V
• RS 232C (V.24), power consumption from 5 V, max.	100 mA; From 5 V
Power loss	

Power loss, typ.	0.3 W
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 connection	
• Transmission rate, max.	38.4 kbit/s
• supported printers	HP-Deskjet, HP-Laserjet, IBM-Proprietary, user-defined
Integrated protocol driver	
— 3964 (R)	Yes
— ASCII	Yes
— RK512	No
— Printer	Yes
— customer-specific drivers reloadable	No
Transmission rate, 20 mA (TTY)	
— with 3964 (R) protocol, max.	19.2 kbit/s
— with ASCII protocol, max.	19.2 kbit/s
— 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
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	60 °C
Ambient temperature during storage/transportation	
• min.	0 °C
• max.	70 °C
Relative humidity	

- Operation, max.

95 %; no condensation

Configuration

Configuration software

- STEP 7

Yes; own parameter assignment forms

Dimensions

Width

25 mm

Height

290 mm

Depth

210 mm

Weights

Weight, approx.

800 g; Interface module: 100 g

last modified:

09/10/2018