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Data sheet 6ES7441-1AA05-0AE0

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

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.	300 mA; Without interface module
Power loss	
Power loss, typ.	2.1 W; incl. 1x20 mA TTY module
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

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Interface (physical) RS 422/485 (X.27)	Yes
20 mA (TTY), cable length shielded, max.	1 000 m; At 9600 bps
RS 232, cable length shielded, max.	15 m; At 115200 bps
RS 422/RS 485, cable length shielded, max.	1 200 m; At 19200 bps
Point-to-point connection	
• Transmission rate, max.	115.2 kbit/s; Min. 300 bps
• supported printers	HP-Deskjet, HP-Laserjet, IBM-Proprinter, 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.	115.2 kbit/s
— with ASCII protocol, max.	115.2 kbit/s
— with printer driver, max.	115.2 kbit/s
Transmission speed, RS 232	
— with 3964 (R) protocol, max.	115.2 kbit/s
— with ASCII protocol, max.	115.2 kbit/s
— with printer driver, max.	115.2 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

Dimensions	
Width	25 mm
Height	290 mm
Depth	210 mm

Weights	
Weight, approx.	580 g; Interface modules: 80 g

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