

Data sheet

6ES7441-2AA05-0AE0

SIMATIC S7-400, coupling module CP 441-2 for point-to-point connections, 2 channels incl. configuration package on CD



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General information

Product type designation	CP 441-2 PtP
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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
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Power loss

Power loss, typ.	2.7 W; incl. 2x20mA TTY module
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Memory

Memory requirements per interface in memory card of S7-CPU	1 to 5 KB for parameters; 0 to 55 KB for message texts; 0 to 64 KB for loadable drivers
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Interfaces

Number of interfaces	2; 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; 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	
• 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	Yes
— 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
— with RK 512 protocol, 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
— with RK 512 protocol, 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
— with RK 512 protocol, 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

last modified:

06/07/2018