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Data sheet 6ES7441-2AA04-0AE0

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



Figure similar

General information	
Product type designation	CP 441-2 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.	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
Power loss	

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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; 0 to 64 KB for loadable drivers

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
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.	115.2 kbit/s; distributed on both interfaces
• 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	Yes
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	

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• 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.	720 g; Interface module: 100 g

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