



SIMATIC S7-300, CP 341 Communications processor with RS422/485 interface
incl. configuration package on CD

Figure similar

General information	
Product type designation	CP 341
Supply voltage	
Rated value (DC)	Yes
• 24 V DC	
Input current	
from supply voltage L+, max.	100 mA
from backplane bus 5 V DC, max.	70 mA
Power loss	
Power loss, typ.	1.6 W
Power loss, max.	2.4 W
Interfaces	
Interfaces/bus type	RS 422 / 485 (X.27)
Number of interfaces	1; Isolated
Transmission rate, min.	0.3 kbit/s
Transmission rate, max.	115.2 kbit/s
Point-to-point connection	
• Cable length, max.	1 200 m
• supported printers	Serial printers
• Connector type	15-pin sub D socket
Integrated protocol driver	
— 3964 (R)	Yes; not with RS 485
— ASCII	Yes
— RK 512	Yes; not with RS 485
Telegram length, max.	
— 3964 (R)	4 096 byte
— ASCII	4 096 byte
— RK 512	4 096 byte
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
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	60 °C
Ambient temperature during storage/transportation	
• min.	-40 °C

• max.

70 °C

Software

Block

• FB length in RAM, max.

6 100 byte; Data communication, sending and receiving

connection method

Design of electrical connection for supply voltage

3 screw-type terminals: L+, M, GND

Dimensions

Width

40 mm

Height

125 mm

Depth

120 mm

Weights

Weight, approx.

300 g

Classifications

	Version	Classification
eClass	14	27-24-22-08
eClass	12	27-24-22-08
eClass	9.1	27-24-22-08
eClass	9	27-24-22-08
eClass	8	27-24-22-08
eClass	7.1	27-24-22-08
eClass	6	27-24-22-08
ETIM	9	EC001423
ETIM	8	EC001423
ETIM	7	EC001423
IDEA	4	3564
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

EMV

[Manufacturer Declaration](#)



EG-Konf.



UL



RCM



RCM

For use in hazardous locations



ATEX

[FM](#)



UL



IECEX



ATEX

[Miscellaneous](#)

For use in hazardous locations

Marine / Shipping

[CCC-Ex](#)



ABS



BUREAU VERITAS



DNV



LRS



PRS

Marine / Shipping



RINA

[CCS \(China Classification Society\)](#)

last modified:

4/7/2025



ماكان كنترول