



SIPLUS S7-300 CP 341 RS-422/485 based on 6ES7341-1CH02-0AE0 with conformal coating, -25...+70 °C,

Figure similar

General information	
Product type designation	CP 341
based on	<a href="#">6ES7341-1CH02-0AE0</a>
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
Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes; File E239877
RCM (formerly C-TICK)	Yes
KC approval	Yes

EAC (formerly Gost-R)	Yes	
<b>Ambient conditions</b>		
Ambient temperature during operation		
• min.	-25 °C; = Tmin	
• max.	70 °C; = Tmax; 60 °C @ UL/cUL, ATEX and FM use	
Ambient temperature during storage/transportation		
• min.	-40 °C	
• max.	70 °C	
Altitude during operation relating to sea level		
• Installation altitude above sea level, max.	5 000 m	
• Ambient air temperature-barometric pressure-altitude	Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) // Tmin ... (Tmax - 10 K) at 795 hPa ... 658 hPa (+2 000 m ... +3 500 m) // Tmin ... (Tmax -20 K) at 658 hPa ... 540 hPa (+3 500 m ... +5 000 m)	
Relative humidity		
• With condensation, tested in accordance with IEC 60068-2-38, max.	100 %; RH incl. condensation/frost (no commissioning under condensation conditions)	
Resistance		
Use in stationary industrial systems		
— to biologically active substances according to EN 60721-3-3	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request	
— to chemically active substances according to EN 60721-3-3	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *	
— to mechanically active substances according to EN 60721-3-3	Yes; Class 3S4 incl. sand, dust, *	
Use on ships/at sea		
— to biologically active substances according to EN 60721-3-6	Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request	
— to chemically active substances according to EN 60721-3-6	Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *	
— to mechanically active substances according to EN 60721-3-6	Yes; Class 6S3 incl. sand, dust; *	
Usage in industrial process technology		
— Against chemically active substances acc. to EN 60654-4	Yes; Class 3 (excluding trichlorethylene)	
— Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04	Yes; Level GX group A/B (excluding trichlorethylene; harmful gas concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)	
Remark		
— Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04	* The supplied plug covers must remain in place over the unused interfaces during operation!	
<b>Software</b>		
Block		
• FB length in RAM, max.	6 100 byte; Data communication, sending and receiving	
<b>connection method</b>		
Design of electrical connection for supply voltage	3 screw-type terminals: L+, M, GND	
<b>Dimensions</b>		
Width	40 mm	
Height	125 mm	
Depth	120 mm	
<b>Weights</b>		
Weight, approx.	300 g	
<b>Classifications</b>		
	<b>Version</b>	<b>Classification</b>
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
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[Miscellaneous](#)



[Manufacturer Declaration](#)



[KC](#)

EMV	For use in hazardous locations
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[CCC-Ex](#)

last modified:

12/8/2024