

SIPLUS S7-300 CP 341 RS422/485 -25...+70 °C with conformal coating based on 6ES7341-1CH02-0AE0



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	
Number of interfaces	1; Isolated
Interface (physical) RS 422/485 (X.27)	Yes
Transmission rate, min.	0.3 kbit/s
Transmission rate, max.	115.2 kbit/s

Point-to-point	
• 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
— RK512	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
FM approval	Yes; CofC 3028431
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
Ambient conditions	
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; *
from supply voltage 1L+	
— Note regarding classification of environmental conditions acc. to EN 60721	* The supplied plug covers must remain in place over the unused interfaces during operation!
Software	
Block	
• FB length in RAM, max.	6 100 byte; Data communication, sending and receiving
Connection method	
Power supply	3 screw-type terminals: L+, M, GND
Dimensions	
Width	40 mm
Height	125 mm
Depth	120 mm
Weights	
Weight, approx.	300 g
last modified:	05/18/2018