SIMATIC S7-300 CP 343-5

Product Data Sheet

6GK7343-5FA00-0XE0

CP 343-5 PROFIBUS Communication Processor

PROFIBUS TRANSMISSION RATES	PROFIBUS CONNECTOR	EXTERNAL SUPPLY	TYPICAL 24 V CONSUMPTION
9.6 kbit/s to 12 Mbit/s; supported discrete rates	**9-pin female Sub-D**	**24 V DC**	**0.25 A**

Siemens 6GK7343-5FA00-0XE0 is the CP 343-5 PROFIBUS communication processor for the documented SIMATIC S7-300 and C7-300 arrangement. It supports FMS, S7, PG/OP and S5-compatible communication services through a 9-pin female Sub-D interface. Supported PROFIBUS rates range from 9.6 kbit/s to 12 Mbit/s at the discrete rates listed by Siemens.

01 TECHNICAL DATA

PROFIBUS transmission rates	9.6 kbit/s to 12 Mbit/s; supported discrete rates
PROFIBUS connector	9-pin female Sub-D
External supply	24 V DC
Typical 24 V consumption	0.25 A
Typical backplane consumption	150 mA
Interface auxiliary load	Maximum 100 mA at 5 V
Power loss	6 W
Supply conductor cross-section	0.25 to 2.5 mm2
Horizontal operating ambient	0 to 60 degrees C
Vertical operating ambient	0 to 40 degrees C

Siemens CP 343-5 for PROFIBUS Manual Part B2, C79000-G8976-C160-02, November 2002; supported services and technical data

02 ADDITIONAL PRODUCT DATA

Storage / transport ambient	-40 to 70 degrees C
Maximum relative humidity	95% at 25 degrees C
Maximum installation altitude	2000 m
FMS connections	Maximum 16
FMS user-data lengths	READ 237 bytes; WRITE / REPORT 233 bytes

03 PRODUCT FUNCTION

The processor uses an external 24 V DC supply and the station backplane, with typical consumption of 0.25 A and 150 mA respectively. FMS operation permits up to sixteen connections, with maximum user-data lengths of 237 bytes for READ and 233 bytes for WRITE or REPORT. The communication resources available in the CPU and CP must be considered together. The permitted ambient is 0 to 60 degrees C horizontally or 0 to 40 degrees C vertically.

04 SYSTEM COMPATIBILITY

Configure the required FMS, S7, PG/OP or S5-compatible services in the applicable STEP 7 and NCM environment. FMS permits up to sixteen connections, but the CPU communication resources can impose an additional practical limit. Retain the different READ and WRITE/REPORT data-length ceilings in the application blocks.

05 REFERENCE

Siemens CP 343-5 for PROFIBUS Manual Part B2, C79000-G8976-C160-02, November 2002; supported services and technical data.

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