

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7313-6CE00-0AB0

Compact PROFIBUS Central Processor



TYPE	MEMORY	I/O	COUNTERS
CPU 313C-2 DP	32 KB	16 DI / 16 DO	3 x 30 kHz

Siemens 6ES7313-6CE00-0AB0 is the SIMATIC S7-300 CPU 313C-2 DP compact processor. It combines 32 KB of working memory with sixteen digital inputs, sixteen digital outputs, MPI communication and an integrated PROFIBUS DP interface in one programmable module.

01

VERIFIED TECHNICAL INFORMATION

Working memory	32 KB for program and data; not expandable
Load memory	Required SIMATIC MMC; 4 MB maximum FEPROM load memory
Supply and load voltage	24 V DC nominal; 20.4-28.8 V permitted
Rated input current	900 mA
Typical power loss	10 W
Integrated digital inputs	16; nominal 24 V DC
Digital input signal levels	Signal 0: -3 to +5 V; signal 1: +15 to +30 V

Manufacturer evidence: S7-300 Programmable Controller Hardware and Installation; exact-model manual section and manufacturer data sheet.

02 TECHNICAL INFORMATION CONTINUED

Input delay settings	0.1, 0.3, 3 or 15 ms
Integrated digital outputs	16; maximum 0.5 A per output for signal 1
Output short-circuit protection	Electronic, clocked
MPI interface	Non-isolated; 187.5 kbit/s maximum; eight connections
Second interface	Isolated PROFIBUS DP; master and slave capability
High-speed counters	Three; maximum counting frequency 30 kHz
Pulse outputs	Three; maximum pulse frequency 2.5 kHz
S7 counters and timers	256 counters and 256 timers

03 SOURCE AND CONFIGURATION CHECKS

Three high-speed counters support frequencies up to 30 kHz, alongside pulse outputs and a documented PID function. The CPU operates from nominal 24 V DC and requires a SIMATIC Micro Memory Card, which provides load memory and battery-free retention of program and data.

Packed dimensions and supplied-unit origin must be checked against the actual delivery. No verified gross shipping weight is inferred from module net mass.

Siemens original documentation and product reference

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM