

SIMATIC S7-300

Product Data Sheet

6ES7313-6BF03-0AB0

CPU 313C-2 DP compact controller

FUNCTION CPU 313C-2 DP compact controller	FAMILY SIMATIC S7-300	ORIGIN Germany	WEIGHT 0.80 kg
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S7-300 6ES7313-6BF03-0AB0 is a CPU 313C-2 DP compact controller for the SIMATIC S7-300. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

External protection for power supply lines (r	Miniature circuit breaker, type C; min. 2 A; miniature circuit breaker type B, min. 4 A
Permissible range, lower limit (DC)	20.4 V
Permissible range, upper limit (DC)	28.8 V
Inrush current, typ.	11 A
Power Loss	10 W
Number of clock memories	8; 1 memory byte
Backup time	6 wk; At 40 °C ambient temperature
Limitation of inductive shutdown voltage to	L+ (-48 V)
Response threshold, typ.	1 A
For signal "1" permissible range, max.	0.6 A

ADDITIONAL PRODUCT DATA

Output voltage — for signal "1", min.	L+ (-0.8 V)
With inductive load, max.	0.5 Hz
With resistive load, max.	100 Hz
On lamp load, max.	5 W
With 3964 (R) protocol, max.	38.4 kbit/s half duplex; 19.2 kbit/s full duplex

OFFICIAL APPLICATIONS

- Paint shop and body transfer lines: Process Control Systems
- Ore conveying and screening stations: Plant Utility Systems
- Pulp washing and bleaching plants: Equipment Monitoring Systems

SYSTEM COMPATIBILITY

Match 6ES7313-6BF03-0AB0 to the installed SIMATIC S7-300, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Siemens official manufacturer documentation](#)

<https://support.industry.siemens.com/>

AMIKON PRODUCT SUPPORT

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