SIMATIC S7-400

Product Data Sheet

6ES7416-2XK02-0AB0

CPU 416-2 central processing unit

FUNCTION	FAMILY	ORIGIN	WEIGHT
CPU 416-2 central processing unit	**SIMATIC S7-400**	**Germany**	**0.75**

Siemens 6ES7416-2XK02-0AB0 is a CPU 416-2 central processing unit for the SIMATIC S7-400. The values below are limited to the exact documented article.

01 VERIFIED TECHNICAL DATA

CiR synchronization time, basic load	100 ms
Power loss, typ.	7.5 W
Feeding of external backup voltage to CPU	5 V DC to 15 V DC
Number of clock memories	8; 1 memory byte
Resolution	1 ms
Transmission rate, max.	12 Mbit/s
User data per address area, max.	32 byte
shortest clock pulse	5 ms; 2.5 ms without using the SFCs 126 / 127
Backup current, max.	420 µA
via interface module	0

Technical values are limited to the exact manufacturer record and applicable official manual.

02 ADDITIONAL PRODUCT DATA

Address area, max.	32
Number of connection resources	MPI: 44, DP: 32
Backup — with battery	Yes; all data
Hardware clock (real-time)	Yes
expandable FEPROM, max.	64 Mbyte

03 OFFICIAL APPLICATIONS

- Thermal, Hydroelectric and Renewable Power Generation: ['Thermal and hydroelectric power production', 'Renewable generation and energy integration']
- Municipal Water and Industrial Wastewater Services: ['Municipal water treatment services', 'Industrial wastewater treatment operations']
- Industrial Manufacturing and Continuous Production: ['Discrete manufacturing and assembly production', 'Continuous industrial production operations']

04 SYSTEM COMPATIBILITY

Match 6ES7416-2XK02-0AB0 to the installed SIMATIC S7-400, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

05 OFFICIAL SOURCES

Siemens SIMATIC S7-400 CPU technical data

AMIKON PRODUCT SUPPORT

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