MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES7315-2EH14-0AB0

CPU 315-2 PN/DP PROCESSOR

Used with the applicable SIMATIC S7-300 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens technical documentation for 6ES7315-2EH14-0AB0

The name CPU 31x summarizes all standard CPUs, as table below shows:

CPU	Convention: CPU designations:	Order number	As of firmware version
CPU 312	CPU 31x	6ES7312-1AE14-0AB0	V3.3
CPU 314		6ES7314-1AG14-0AB0	V3.3
CPU 315-2 DP		6ES7315-2AH14-0AB0	V3.3
CPU 315-2 PN/DP		6ES7315-2EH14-0AB0	V3.2
CPU 317-2 DP		6ES7317-2AK14-0AB0	V3.3
CPU 317-2 PN/DP		6ES7317-2EK14-0AB0	V3.2
CPU 319-3 PN/DP		6ES7318-3EL01-0AB0	V3.2

All CPUs with PROFINET properties are grouped under the designation CPU 31x PN/DP, as the following table shows:

CPU	Convention: CPU designations:	Order number	As of firmware version
CPU 314C-2 PN/DP	CPU 31x PN/DP	6ES7314-6EH04-0AB0	V3.3
CPU 315-2 PN/DP		6ES7315-2EH14-0AB0	V3.2
CPU 317-2 PN/DP		6ES7317-2EK14-0AB0	V3.2
CPU 319-3 PN/DP		6ES7318-3EL01-0AB0	V3.2

Note

A description of the special features of the failsafe CPUs of the S7 product range is available in the product information at the following Internet address (http://support.automation.siemens.com/WW/view/en/11669702/133300).

Note

We reserve the right to include a product Information containing the latest information on new modules or modules of a more recent version.

9.5 CPU 315-2 PN/DP

Technical specifications

Table 9- 6 Technical specifications of the CPU 315-2 PN/DP

Technical specifications	
CPU and version	
• MLFB	6ES7315-2EH14-0AB0
• Hardware version	01
• Firmware version	V3.2.1
• Associated programming package	STEP 7 as of V5.5 + HSP 199
Memory	
Main memory	
• Integrated	384 KB
• Expandable	No
• Maximum size of non-volatile memory for retentive data blocks,	128 KB
Load memory	
• Pluggable (MMC)	Yes
• Pluggable (MMC), max.	8 MB
• Data retention on the Micro Memory Card (after the last programming action), min.	10 years
Backup	
• Available	Yes (ensured with Micro Memory Card - maintenance-free)
• Without battery	Yes (program and data)
Execution times	
• for bit operation, min.	0.05 µs
• for word operations, min.	0.09 µs
• For fixed-point arithmetic, min.	0.12 µs
• For floating-point arithmetic, min.	0.45 µs
Timers/counters and their retentivity	
S7 counters	
• Number	256
Retentivity	
• Configurable	Yes
• Default	Z 0 to Z 7