

SIMATIC S7-300 COMMUNICATION PROCESSORS

Product Data Sheet

6ES7341-1BH02-0AE0

CP 341 serial communication processor

FUNCTION	FAMILY	ORIGIN	WEIGHT
CP 341 serial communication processor	SIMATIC S7-300 communication proces	Germany	Confirm before dispatch

S7-300 6ES7341-1BH02-0AE0 is a CP 341 serial communication processor for the SIMATIC S7-300 communication processors. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	6ES7341-1BH02-0AE0
Product Class	Cp 341 Serial Communication Processor
Product Family	SIMATIC S7-300 communication processors
Control Supply	24 V DC or system backplane
Backplane Interface	SIMATIC system bus
Programming	STEP 7 / TIA Portal
Process Image	Cyclic I/O exchange
Diagnostics	Module and channel status
Isolation	Galvanically isolated field circuits
Mounting	SIMATIC rail or rack

Protection Class	IP20 installed
Operating Temperature	0 to +60 °C class
Status Indication	Front-panel LEDs

- Sequence distillation control with Cp 341 process control: In the automation chain for the columns, reboilers and reflux circuits, 6ES7341-1BH02-0AE0 operates in its approved product-family role as a CP 341 serial communication processor. During feed-composition change, the system uses this function to coordinate temperature, pressure and inventory loops, helping it maintain separation performance.
- Support cooling-water circulation with Cp 341: Within the circulating pumps and heat exchangers, 6ES7341-1BH02-0AE0 operates in its approved product-family role as a CP 341 serial communication processor. During controlled shutdown, the system uses this function to sequence redundant equipment around the operating unit, helping it keep heat rejection available to the process.
- Balance paint-shop conveying with Cp 341 process control: As part of the carrier tracking and booth interfaces, 6ES7341-1BH02-0AE0 performs its assigned control role as a CP 341 serial communication processor. During carrier accumulation, the system uses this function to route carriers by production status, helping it preserve body order through the process.

Match 6ES7341-1BH02-0AE0 to the installed SIMATIC S7-300 communication processors, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Siemens official product documentation and manufacturer catalog](#)

<https://mall.industry.siemens.com/mall/en/WW/Catalog/Product/6ES7341-1BH02-0AE0>

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