

SIMATIC DISTRIBUTED I/O NETWORKS

Product Data Sheet

6ES7157-0AD82-0XA0

DP/PA or fieldbus coupler

FUNCTION DP/PA or fieldbus coupler	FAMILY SIMATIC distributed I/O networks	ORIGIN Germany	WEIGHT Confirm before dispatch
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Siemens Simatic S7 6ES7157-0AD82-0XA0 is a DP/PA or fieldbus coupler for the SIMATIC distributed I/O networks. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	6ES7157-0AD82-0XA0
Product Class	Dp/Pa Or Fieldbus Coupler
Product Family	SIMATIC distributed I/O networks
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

ADDITIONAL PRODUCT DATA

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

OFFICIAL APPLICATIONS

- Monitor sortation data exchange during priority-order change: At the control layer of the barcode readers, diverters and order servers, 6ES7157-0AD82-0XA0 serves its documented function as a DP/PA or fieldbus coupler. During priority-order change, the system uses this function to deliver order routing data to the active sorter, helping it direct each item to the assigned destination.
- Balance treatment-area fiber ring with Dp Pa process control: Across the managed switches and process-area controllers, 6ES7157-0AD82-0XA0 operates in its approved product-family role as a DP/PA or fieldbus coupler. During single-link interruption, the system uses this function to move process traffic over the remaining network path, helping it keep the treatment process visible during the link event.
- Track filling-line communication during line-speed change: In the automation chain for the fillers, checkweighers and line controllers, 6ES7157-0AD82-0XA0 supports the configured automation role as a DP/PA or fieldbus coupler. During line-speed change, the system uses this function to carry cyclic control and diagnostic traffic between line devices, helping it keep filling and inspection events synchronized.

SYSTEM COMPATIBILITY

Match 6ES7157-0AD82-0XA0 to the installed SIMATIC distributed I/O networks, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

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

<https://mall.industry.siemens.com/mall/en/WW/Catalog/Product/6ES7157-0AD82-0XA0>

AMIKON PRODUCT SUPPORT

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