

SIMATIC DISTRIBUTED I/O NETWORKS

Product Data Sheet

6ES7157-0AG82-0XA0

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 6ES7157-0AG82-0XA0 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	6ES7157-0AG82-0XA0
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

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

- Route treatment-area fiber ring during single-link interruption: Across the managed switches and process-area controllers, 6ES7157-0AG82-0XA0 handles its designated signal or control duty 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.
- Stabilize cell-network segmentation during line expansion: Within the controllers, HMIs and drive nodes, 6ES7157-0AG82-0XA0 provides its specified system function as a DP/PA or fieldbus coupler. During line expansion, the system uses this function to carry deterministic control traffic across the assigned segment, helping it keep cell communication predictable.
- Synchronize robot-cell networking with Dp Pa process control: For the coordinated operation of the robot controllers, safety devices and PLCs, 6ES7157-0AG82-0XA0 serves its documented function as a DP/PA or fieldbus coupler. During model change, the system uses this function to exchange interlocks and production status across the cell, helping it start the correct joining sequence.

Match 6ES7157-0AG82-0XA0 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.

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

<https://mall.industry.siemens.com/mall/en/WW/Catalog/Product/6ES7157-0AG82-0XA0>

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