

SIMATIC DISTRIBUTED I/O NETWORKS

Product Data Sheet

6ES7157-0AG83-0XA0

PROFIBUS field device coupler

FUNCTION PROFIBUS field device coupler	FAMILY SIMATIC distributed I/O networks	ORIGIN Germany	WEIGHT Confirm before dispatch
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Siemens Simatic S7 6ES7157-0AG83-0XA0 is a PROFIBUS field device 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	6ES7157-0AG83-0XA0
Product Class	Profibus Field Device Coupler
Product Family	SIMATIC distributed I/O networks
Distributed I/O Family	SIMATIC ET 200
Channel Function	Analog acquisition / field coupling
Signal Interface	Model-coded terminal module
Bus System	PROFIBUS DP
Resolution Class	16-bit process value
Diagnostic Support	Wire-break and module status
Isolation	Channel-to-backplane isolation

ADDITIONAL PRODUCT DATA

Conversion Mode	Cyclic process data
Supply Class	24 V DC station supply
Mounting	ET 200 terminal module
Status Indication	Channel and module LEDs

OFFICIAL APPLICATIONS

- Protect warehouse backbone during uplink switchover: At the control layer of the industrial switches and storage controllers, 6ES7157-0AG83-0XA0 serves its documented function as a PROFIBUS field device coupler. During uplink switchover, the system uses this function to maintain the redundant path between storage areas, helping it preserve warehouse visibility through the network event.
- Regulate carrier identification exchange with Profibus Field: As part of the readers, conveyor controls and tracking servers, 6ES7157-0AG83-0XA0 handles its designated signal or control duty as a PROFIBUS field device coupler. During carrier handoff, the system uses this function to move identity and route data with the carrier, helping it send the carrier to the intended operation.
- Sequence redundant ring operation during path failover: Inside the managed switches and fiber uplinks, 6ES7157-0AG83-0XA0 serves its documented function as a PROFIBUS field device coupler. During path failover, the system uses this function to maintain an alternate communication path after a link event, helping it preserve process visibility during the network event.

SYSTEM COMPATIBILITY

Match 6ES7157-0AG83-0XA0 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/6ES7157-0AG83-0XA0>

AMIKON PRODUCT SUPPORT

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