

SIMATIC DISTRIBUTED I/O NETWORKS

Product Data Sheet

6ES7157-0AC85-0XA0

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 6ES7157-0AC85-0XA0 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	6ES7157-0AC85-0XA0
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

- Protect treatment-area fiber ring with Dp Pa process control: As part of the managed switches and process-area controllers, 6ES7157-0AC85-0XA0 performs its assigned control 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.
- Align remote-station communication during station reconnection: Within the distributed I/O and supervisory servers, 6ES7157-0AC85-0XA0 operates in its approved product-family role as a DP/PA or fieldbus coupler. During station reconnection, the system uses this function to restore cyclic data exchange with the remote station, helping it return the station to the controller scan.
- Supervise carrier identification exchange during carrier handoff: During operation of the readers, conveyor controls and tracking servers, 6ES7157-0AC85-0XA0 handles its designated signal or control duty as a DP/PA or fieldbus 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.

SYSTEM COMPATIBILITY

Match 6ES7157-0AC85-0XA0 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/6ES7157-0AC85-0XA0>

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM