

SIMATIC PN/PN COUPLER

Product Data Sheet

6ES7158-3AD01-0XA0

PROFINET Network Coupling Module

DC SUPPLY RANGE	MAXIMUM 1L+ SUPPLY CURRENT	POWER-FAILURE BUFFERING	TYPICAL DISSIPATION
20.4 to 28.8 V	400 mA	20 ms	6 W

Siemens 6ES7158-3AD01-0XA0 is a profinet network coupling module in the SIMATIC PN/PN Coupler range. It is used for configured I/O data exchange between two PROFINET networks in compatible industrial automation projects.

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VERIFIED TECHNICAL DATA

DC supply range	20.4 to 28.8 V
Maximum 1L+ supply current	400 mA
Power-failure buffering	20 ms
Typical dissipation	6 W
Total shared I/O address area	1024 byte, inputs plus outputs
Ethernet port count	4 RJ45 sockets, two per side
PROFINET data rate	100 Mbit/s maximum
Independent network sides	2
Permitted circuit potential difference	500 V DC
Isolation test voltage	500 V

ADDITIONAL PRODUCT DATA

Enclosure protection	IP20
Operating ambient	0 to 60 deg C
Power arrangement	Redundant power supply
Supported fieldbus	PROFINET IO with PROFI-safe data transfer
Bus-synchronized operation	Isochronous bus operation, not isochronous application

DOCUMENTED USE SETTINGS

Vehicle Manufacturing and Auto Parts Production: Automotive Assembly Process Automation.

Industrial Assembly and Component Production: Industrial Component Manufacturing Processes.

Water Supply and Municipal Wastewater Treatment: Drinking Water Treatment Processes.

SYSTEM COMPATIBILITY

Integrate 6ES7158-3AD01-0XA0 only in the documented SIMATIC PN/PN Coupler configuration. Match the installed interfaces and the engineered application before selecting this profinet network coupling module.

PRODUCT EVIDENCE

Siemens 6ES7158-3AD01-0XA0 product technical data; pages 1, 2, 3

AMIKON PRODUCT SUPPORT

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