6DD1688-0AE2

01 / Identity and system function

SS52 PROFIBUS DP Module

Siemens 6DD1688-0AE2 is the SS52 communication module for SIMADYN D. It adds PROFIBUS DP communication to a suitable CS7 carrier arrangement, allowing the configured control system to exchange data with a DP network. The module can be configured for master or slave roles according to the application design.

Product position



Technical characteristics

Product type	SS52 communication module
Control platform	SIMADYN D
Network service	PROFIBUS DP
PROFIBUS role	Master or slave, configuration dependent

System integration

The SS52 provides an isolated RS-485 PROFIBUS interface at X5 and a separate RS-232 connection for parameterization and diagnostics. Its PROFIBUS-DP functions include Shared Input, SYNC and FREEZE where supported by the configured system. The SS52 identification is important: the neighboring SS5 designation addresses a different PROFIBUS service and must not be treated as the same communication module.

Product and installation enquiries

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Apply manufacturer instructions and approved site procedures.

6DD1688-0AE2

02 / Engineering data and service scope

Further characteristics

Carrier context	CS7
Network connector	X5 isolated RS-485
Service interface	RS-232 parameterization and diagnostics

SIMADYN D control installations use this communication path where drive, process or plant-control data must move between the controller and a PROFIBUS DP segment. Fit and configure the module only within the supported CS7 system arrangement. Preserve network address, bus termination and project parameters before replacement, then verify cyclic data and diagnostics after commissioning.

Applicability

The characteristics above describe the identified SIMADYN D execution of 6DD1688-0AE2. Optional functions, connected devices and installed revisions must be checked against the complete marking and approved project configuration.

Technical basis

Siemens SIMADYN D Hardware manual, SS52 communication module, 6DD1688-0AE2.

What is the product type of Siemens 6DD1688-0AE2?

SS52 communication module.

What is the control platform of Siemens 6DD1688-0AE2?

SIMADYN D.

What is the network service of Siemens 6DD1688-0AE2?

PROFIBUS DP.

Related Siemens references

Siemens 6DD1688-0AE0

Siemens 6DD1640-0AD0

Siemens 6DD1661-0AE0

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