6DD1688-0AE2

01 / Product overview

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 identity

Product type	SS52 PROFIBUS DP Module
Product series	SIMADYN D
Control platform	SIMADYN D

Technical specifications

Product type	SS52 communication module
Control platform	SIMADYN D
Network service	PROFIBUS DP
PROFIBUS role	Master or slave, configuration dependent
Carrier context	CS7
Network connector	X5 isolated RS-485
Service interface	RS-232 parameterization and diagnostics

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

02 / Applications and service decisions

Drive-system networking

Exchange configured control and status data over PROFIBUS DP in a SIMADYN D installation.

Distributed process I/O

Connect a SIMADYN D control configuration with compatible DP devices.

Match the complete unit

Check the full 6DD1688-0AE2 marking and any hardware revision against the installation record.

Isolate the installation

Follow the approved SIMADYN D isolation and stored-energy procedure before handling the unit.

Preserve the connection record

Label and photograph the ss52 profibus dp module connections, terminations and mounting before removal.

Plant controller integration

Use a DP master or slave role as defined by the existing automation architecture.

Legacy communication repair

Restore a documented SS52/CS7 communication path without substituting an SS5 FMS module.

Restore the configuration

Retain the approved SIMADYN D address, range, software or calibration settings that apply to the installed unit.

Protect the hardware

Use suitable electrostatic-discharge and mechanical protection while handling connectors, boards and retaining parts.

Verify the affected functions

After fitting 6DD1688-0AE2, check diagnostics and the relevant I/O or process response under the site acceptance plan.

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03 / Selection and technical reference

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.

What is the profibus role of Siemens 6DD1688-0AE2?

Master or slave, configuration dependent.

What should be preserved before replacing Siemens 6DD1688-0AE2?

Record the full label, fitted connections and approved SIMADYN D settings. Preserve the existing wiring and configuration record.

How is Siemens 6DD1688-0AE2 checked after installation?

Check diagnostics and the affected ss52 profibus dp module functions under the approved site test procedure.

Technical basis

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

Related Siemens references

Siemens 6DD1688-0AE0

Siemens 6DD1640-0AD0

Siemens 6DD1661-0AE0

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