6DD1688-0AE0

01 / Product identity and control context

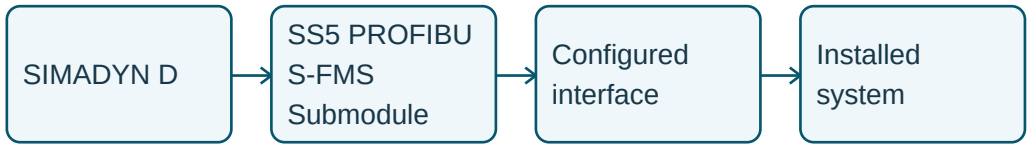
SS5 PROFIBUS-FMS Submodule

Siemens 6DD1688-0AE0 is the SS5 communications submodule for a SIMADYN D CS7 support module.

Key characteristics

Product type	SS5 PROFIBUS-FMS Submodule
Product series	SIMADYN D
Submodule designation	SS5

Functional relationship



Protocol selection

Match the SS5 FMS execution; do not substitute SS52 DP/MPI behavior.

Configuration boundary

SS5-specific FMS data applies to 6DD1688-0AE0. The 16 kbyte dual-port memory belongs to CS7; SS52 DP/MPI and RS232 functions are separate.

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

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02 / Technical characteristics

Hardware and functional data

Product series	SIMADYN D
Submodule designation	SS5
Support module	CS7
Bus protocol	PROFIBUS-FMS / SINEC L2-FMS
Bus role	Master interface

Interfaces and operating conditions

Electrical interface	Isolated RS485 at X5
OLM supply	Isolated 5 V at X5
Configuration tool	COMSS5
Host capacity	Up to 3 communications submodules per CS7

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03 / Application and integration contexts

FMS client/server communication

Provide the configured PROFIBUS-FMS master interface through the CS7 support module.

Legacy bus integration

Connect compatible SINEC L2-FMS nodes with matched bus settings and termination.

CS7 integration

Match the CS7 support, selected receptacle and HWConfig configuration.

Optical-link arrangements

Use the isolated OLM supply and an appropriately configured optical bus arrangement where required.

Communications restoration

Restore the COMSS5 database and validate initialization and the expected data exchange.

Database and bus wiring

Retain the COMSS5 database and verify bus termination, screen bonding and the X5 connection.

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04 / Installation and release decisions

Protocol selection

Match the SS5 FMS execution; do not substitute SS52 DP/MPI behavior.

CS7 integration

Match the CS7 support, selected receptacle and HWConfig configuration.

Database and bus wiring

Retain the COMSS5 database and verify bus termination, screen bonding and the X5 connection.

Communication acceptance

Check initialization and CS7 diagnostic indications, then validate the expected client/server data exchange.

Protect the hardware

Use the applicable isolation and electrostatic-discharge controls. Preserve connectors, identification and mechanical retention during handling.

Verify the restored function

Apply the approved site acceptance procedure and compare actual behavior with the recorded system configuration before returning equipment to service.

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05 / Lifecycle, evidence and related portfolio

Lifecycle status

The manufacturer lifecycle phase is End of Product Lifecycle. Plan service and any replacement around the complete installed configuration.

Supply boundary

Apter Power availability and dispatch are confirmed separately from the manufacturer lifecycle phase.

Technical basis

Siemens Hardware - SIMADYN D, Communications Support Modules, Edition 12/2004; 6DD1688-0AE0 product information.

Related product references

Siemens 6DD1640-0AD0

Siemens 6DD1660-0BJ0

Siemens 6DD1661-0AE0

Navigation only; no substitute or accessory compatibility is implied.

Offered-unit verification

Compare the complete label, connectors, mounting arrangement and applicable hardware/software revision. Confirm included components and accompanying documents in the quotation.

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