01 / Identity and job scope

SIEMENS

6DD1681-0CA2

SITOR Interface Module

Product role

Siemens 6DD1681-0CA2 is the SIMADYN D SE20.2 interface module for connecting a configured SITOR converter arrangement.

Control arrangement
PG26 or applicable ITDC configuration

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SE20.2
SITOR signal interface

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SITOR cabinet
Power section and monitoring

Applicability

SE20.2 identification and SITOR connection guidance apply. PG26 and ITDC processor ratings are not ratings of this interface module.

Hardware and configuration

The 6DD1681-0CA2 identifies the SE20.2 SITOR interface board. The PG26 hardware instructions include it among the associated SITOR-interface components, alongside the specified screened interconnection cables. It is an interface assembly rather than a PG26 processor, so processor frequency, memory capacity and converter power must remain separate from its identification.

Planning basis

This Apter Power guide supports identification and engineering planning. Apply the complete manufacturer and machine-builder procedures for the actual installation.

02 / Configuration and interface readiness

Item	Configuration relationship
Module designation	SE20.2
System family	SIMADYN D
Function	SITOR interface
PG26 association	Listed SITOR-interface board
ITDC connection	SE20.2 X3 to ITDC X7 in the applicable arrangement
Cabinet pulse connection	X1 to pulse distribution
Feedback and monitoring	X2 from cabinet transfer module

Technical context

In the D7-SYS ITDC and SITOR-cabinet arrangement, SE20.2 connects converter signals to the control interface with electrical isolation. It occupies three SIMADYN D subrack slots and has a rear voltage connection without a backplane-bus coupling. This describes the applicable cabinet integration and does not imply that a processor, subrack or converter is included with the offered module.

How is 6DD1681-0CA2 connected to ITDC?

In the applicable D7-SYS arrangement, SE20.2 X3 connects to the ITDC X7 SITOR interface.

Which connector carries firing pulses on 6DD1681-0CA2?

X1 carries the isolated firing-pulse connection toward the SITOR cabinet pulse distribution in the described arrangement.

03 / Installation and connection decisions

Isolate the converter

Place the drive in a safe state and isolate the power section and control supplies before handling the interface.

Match the assembly

Check the full 6DD1681-0CA2 and SE20.2 marking against the installed unit.

Preserve connector allocation

Record X1, X2 and X3 wiring and retain the approved cabinet connection diagram.

Maintain shielding

Restore the specified shield and ground terminations at the module and cabinet.

Installation context

For that ITDC arrangement, SE20.2 connector X3 connects to ITDC X7. Connector X1 carries firing pulses toward the cabinet pulse distribution; X2 receives actual-value and monitoring signals. Preserve the specified grounding and shield connections at the interface and cabinet, and verify the installed connector assignments before reconnecting the power section.

Which connector receives feedback on 6DD1681-0CA2?

X2 receives actual-value and monitoring signals from the cabinet transfer module.

How many rack slots does 6DD1681-0CA2 occupy in the described arrangement?

The SE20.2 arrangement occupies three SIMADYN D subrack slots.

04 / Functional acceptance planning

Application	Controlled review
SITOR cabinet coupling	Connect the configured controller interface and SITOR power section using the matching SE20.2 arrangement.
Firing-pulse distribution	Preserve the X1 connection to cabinet pulse distribution and its grounding arrangement.
Converter feedback	Retain the X2 actual-value and monitoring connections against the cabinet drawing.
Legacy interface service	Identify the installed SE20.2, processor and cabling before replacing the interface board.

Does 6DD1681-0CA2 couple to the backplane bus in that arrangement?

No. The rear connector provides the voltage connection without a backplane-bus coupling.

Which cable arrangement is associated with 6DD1681-0CA2 in a PG26 installation?

The PG26 SITOR connection uses the specified screened round cables with twisted-pair conductors. Match the complete cable and connector drawing to the installation.

Release boundary

Verify pulse, feedback and monitoring paths under the approved commissioning procedure before enabling the converter.

Record
Keep the original configuration

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Test
Observe controlled response

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Release
Authorize normal operation

05 / Technical handover and support

Retained information

Keep the complete 6DD1681-0CA2 marking, host identity, connection photographs, configuration backup and controlled-test results in the service record.

Support planning

Confirm current support and replacement guidance with Siemens for the installed identity and configuration. Apter Power availability and dispatch are separate quotation matters.

Reference basis

Siemens PG26 User Manual, Dk-Nr. 222342, Edition 05.95; D7-SYS SIMADYN D system and communication configuring, Edition 06.2002.

Apter Power technical summary; not a manufacturer-issued manual. Apply the original instructions for the actual installation.

Related industrial automation products

Navigation only; no substitution or compatibility claim.

Siemens 6DD1662-0AB0

Siemens 6DD1606-2AC0

Siemens 6DD1611-0AG0

Discuss your installed configuration

Send the full unit marking and connection details.

sales13@apterpower.com | +86 18030235313