01 / Product and system dashboard

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

Engineering scope

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

02 / Verified identity and technical relationships

Property	Applicable fact	Property	Applicable fact
Module designation	SE20.2	Cabinet pulse connection	X1 to pulse distribution
System family	SIMADYN D	Feedback and monitoring	X2 from cabinet transfer module
Function	SITOR interface	Rack allocation	3 slots in the described SIMADYN D arrangement
PG26 association	Listed SITOR-interface board	Backplane coupling	No backplane-bus coupling in the described arrangement
ITDC connection	SE20.2 X3 to ITDC X7 in the applicable arrangement		

Configuration boundary

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

03 / Applications and system integration

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.

Functional 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.

04 / Service and installation 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.

Separate component ratings

Do not apply PG26 or ITDC processor specifications as SE20.2 electrical ratings.

Test before release

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

05 / Reference basis and related portfolio

Lifecycle and supply

A current manufacturer lifecycle phase has not been confirmed. Request current support and replacement guidance using the complete 6DD1681-0CA2 identity. Apter Power availability is confirmed separately in the quotation.

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 6ES5301-3AB13

Siemens 6ES5300-3AB11

Siemens 6ES5316-8FA12

Discuss your installed configuration

Send the full unit marking and connection details.

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