

INDUSTRIAL AUTOMATION PRODUCT

6SE7090-0XX84-0FF5

SIMOVERT MASTERDRIVES CBP2 PROFIBUS
communication module

It connects a SIMOVERT MASTERDRIVES Motion Control unit to a PROFIBUS network through the CBP2 option interface.

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	SIMOVERT MASTERDRIVES Motion Control communications
Part number	6SE7090-0XX84-0FF5
Country	Germany
HS code	8537101190

APTER POWER SALES TEAM

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Technical Specifications

Technical values below are limited to the named Siemens product record.

PARAMETER	TECHNICAL VALUE
Article number	6SE7090-0XX84-0FF5
Module designation	CBP2
Equipment class	Communication module
Communication protocol	PROFIBUS
Host platform	SIMOVERT MASTERDRIVES Motion Control
Quantity unit	1 piece

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	SIMOVERT MASTERDRIVES Motion Control unit
Companion hardware	PROFIBUS master and bus cable
Field connection	approved node address and parameter set
Primary system function	Adds PROFIBUS communication to the installed drive
Controlled acceptance duty	PROFIBUS drive integration

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System Role and Architecture

It connects a SIMOVERT MASTERDRIVES Motion Control unit to a PROFIBUS network through the CBP2 option interface.

FUNCTION 1
Adds PROFIBUS communication to the installed drive

FUNCTION 2
Uses the CBP2 option-module identity

FUNCTION 3
Transfers cyclic control and drive status data

FUNCTION 4
Integrates the drive with the configured PROFIBUS master

Matched system components

- SIMOVERT MASTERDRIVES Motion Control unit
- PROFIBUS master and bus cable
- approved node address and parameter set
- drive commissioning software and diagnostics

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	SIMOVERT MASTERDRIVES Motion Control unit
Companion hardware	PROFIBUS master and bus cable
Field connection	approved node address and parameter set
Primary system function	Adds PROFIBUS communication to the installed drive
Controlled acceptance duty	PROFIBUS drive integration

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Applications and Engineering Context

PROFIBUS drive integration

Adds PROFIBUS communication to the installed drive

Legacy motion-control network repair

Uses the CBP2 option-module identity

Drive node replacement

Transfers cyclic control and drive status data

Cyclic control-word and status-word verification

Integrates the drive with the configured PROFIBUS master

TECHNICAL NOTE

Back up the drive and bus configuration, isolate the converter, preserve the PROFIBUS address and termination, then verify cyclic data, diagnostics and commanded stop behavior before restoring automatic control.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	6SE7090-0XX84-0FF5 / 6SE7090-0XX84-0FF5 recorded
Physical interface	SIMOVER MASTERDRIVES Motion Control unit
Companion check	PROFIBUS master and bus cable
Functional proof	Adds PROFIBUS communication to the installed drive
Application test	PROFIBUS drive integration

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Engineering Precautions

- 1 Verify the complete 6SE7090-0XX84-0FF5 marking and its documented SIMOVERT MASTERDRIVES Motion Control communications position before field work.
- 2 Place the connected equipment in the approved maintenance state before removing 6SE7090-0XX84-0FF5.
- 3 Isolate every applicable power, signal and stored-energy source, then prove a safe state at 6SE7090-0XX84-0FF5.
- 4 Record the installed connectors, terminals, jumpers and channel or node assignments before disconnection.
- 5 Use ESD controls and protect keyed interfaces, edge connectors and exposed electronic assemblies.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
6ES7315-2AH14-0AB0	Related Siemens product	View 6ES7315-2AH14-0AB0 page
6ES7332-7ND02-0AB0	Related Siemens product	View 6ES7332-7ND02-0AB0 page
6ES7215-1HG40-0XB0	Related Siemens product	View 6ES7215-1HG40-0XB0 page
6ES7136-6BA00-0CA0	Related Siemens product	View 6ES7136-6BA00-0CA0 page
6ES7131-6BF00-0BA0	Related Siemens product	View 6ES7131-6BF00-0BA0 page
9AC9100-0AA10	Related Siemens product	View 9AC9100-0AA10 page
7RE2800-0CA00	Related Siemens product	View 7RE2800-0CA00 page
6DS1723-8BA	Related Siemens product	View 6DS1723-8BA page

MANUFACTURER SOURCE RECORD

Siemens SiePortal product record

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