Product dashboard

Siemens 6DD1607-0EA1 is the EXM 448-1 communication expansion module for FM 458 hardware. It combines a PROFIBUS DP interface with an integrated SLB interface for SIMOLINK.

Exact model	Product type	System family	Functional role
6DD1607-0EA1	EXM 448-1 Communication	FM 458 / SIMADYN D	Communication Module

PARAMETER	DOCUMENTED VALUE
Exact model	6DD1607-0EA1
Module designation	EXM 448-1
Hardware type	Communication expansion module
Host platform	FM 458
PROFIBUS function	PROFIBUS DP communication
SIMOLINK function	Integrated SLB interface
Engineering environment	D7-SYS with STEP 7 / CFC
Replacement basis	Exact order number and configured networks

Release basis: verify the exact identity, retained host relationship, connected interfaces and controlled functional result.

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6DD1607-0EA1

System overview

The EXM 448-1 expands an FM 458 application module with two documented communication paths while retaining the configured PROFIBUS and SIMOLINK relationships.

Installed-system renewal

Restores the documented 6DD1607-0EA1 position while keeping the approved host and interfaces.

Controlled maintenance

Supports as-found recording, safe isolation and exact connection restoration.

Compatibility review

Compares the full marking, host, connectors, settings and companion hardware.

Commissioning evidence

Records diagnostics and a controlled functional test of PROFIBUS DP and SIMOLINK communication expansion for an FM 458 system.

SYSTEM POSITION	RECORD
Installed identity	6DD1607-0EA1

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Technical data map

PARAMETER	VERIFIED VALUE
Exact model	6DD1607-0EA1
Module designation	EXM 448-1
Hardware type	Communication expansion module
Host platform	FM 458
PROFIBUS function	PROFIBUS DP communication
SIMOLINK function	Integrated SLB interface
Engineering environment	D7-SYS with STEP 7 / CFC
Replacement basis	Exact order number and configured networks
Acceptance	Bus configuration, diagnostics and data exchange

CONTROL BAND	VERIFICATION RECORD
Identity	Exact model and complete label
Mechanical	Form, seating and retention
Interfaces	Power, wiring, communication and protection
Configuration	Settings, project and revision
Release	PROFIBUS DP and SIMOLINK communication expansion for an FM 458 system

Technical evidence record: Siemens DA 99 FM 458 catalog, order data for EXM 448-1

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Applications and precautions

1. Confirm the complete 6DD1607-0EA1 marking before work.
2. Place the affected equipment in its approved maintenance state.
3. Isolate connected energy and prove the circuit safe.
4. Photograph the slot, wiring, connectors and settings before removal.
5. Match every documented interface and companion component.
6. Restore mechanical retention, shielding and protective earth.
7. Review hardware, network and controller diagnostics after energization.
8. Functionally verify PROFIBUS DP and SIMOLINK communication expansion for an FM 458 system before service release.

Complete each check against the installed record; hold release when any identity, connection, configuration or diagnostic result differs.

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Buyer and engineering FAQ

What does 6DD1607-0EA1 identify?

6DD1607-0EA1 identifies the exm 448-1 communication expansion module used for PROFIBUS DP and SIMOLINK communication expansion for an FM 458 system.

Which installed system must 6DD1607-0EA1 match?

Match 6DD1607-0EA1 to the recorded FM 458 / SIMADYN D host, position and companion hardware.

Which markings must be checked on 6DD1607-0EA1?

Verify the complete 6DD1607-0EA1 text and every suffix, revision or assembly marking on the supplied item.

What should be recorded before removing 6DD1607-0EA1?

Record the slot, connectors, cable labels, switches, parameters, adjacent hardware and diagnostic state.

Related Apter Power pages

Siemens 6ES7223-1BL22-0XA0 - View Apter Power product page

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