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01 Readiness and operating boundary

Siemens 6DS1618-8CA is a TELEPERM M testable binary input module used with the AS 235 H PBE driver for hardware-fault detection and redundant binary-signal processing.

Confirm exact identity

Confirm the complete Siemens 6DS1618-8CA marking before work.

Exact article	6DS1618-8CA
Product family	TELEPERM M / AS 235 H
Module type	Testable binary input module (PBE)

Establish the safe work boundary

Place every dependent binary function in the approved maintenance state.

Identity	6DS1618-8CA
Host	TELEPERM M / AS 235 H
Acceptance	Diagnostics and functional response

PAGE TRACE	REQUIRED ENTRY
Inspector	_____
Result	Pass / hold / corrective action
Record	Date, diagnostic state and release reference

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6DS1618-8CA

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02 Configuration and interface setup

Siemens 6DS1618-8CA supplies the testable binary-input path for the AS 235 H PBE driver and supports 1-out-of-1, 1-out-of-2 and 2-out-of-2 configurations.

Record the as-found configuration

Record both PBE drivers, binary-value addresses and the selected structure.

Product family	TELEPERM M / AS 235 H
Module type	Testable binary input module (PBE)
Driver context	PBE function block

Map connections and settings

Document the user-configured OR or AND interconnection before removal.

Identity	6DS1618-8CA
Host	TELEPERM M / AS 235 H
Acceptance	Diagnostics and functional response

PAGE TRACE	REQUIRED ENTRY
Inspector	_____
Result	Pass / hold / corrective action
Record	Date, diagnostic state and release reference

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03 Installation and service sequence

Siemens 6DS1618-8CA supplies the testable binary-input path for the AS 235 H PBE driver and supports 1-out-of-1, 1-out-of-2 and 2-out-of-2 configurations.

Restore the documented assembly

Preserve the BGF module-fault routing and its downstream selection logic.

Module type	Testable binary input module (PBE)
Driver context	PBE function block
Fault feature	Special hardware-fault detection procedures

Protect every interface

Restore the exact 1oo1, 1oo2 or 2oo2 arrangement for this position.

Identity	6DS1618-8CA
Host	TELEPERM M / AS 235 H
Acceptance	Diagnostics and functional response

PAGE TRACE	REQUIRED ENTRY
Inspector	_____
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04 Verification and fault isolation

Siemens 6DS1618-8CA supplies the testable binary-input path for the AS 235 H PBE driver and supports 1-out-of-1, 1-out-of-2 and 2-out-of-2 configurations.

Verify the installed function

Review PBE and hardware-fault indications after controlled energization.

Driver context	PBE function block
Fault feature	Special hardware-fault detection procedures
Documented structures	1-out-of-1, 1-out-of-2 and 2-out-of-2

Isolate unexpected response

Prove every affected binary state before returning the process to service.

Identity	6DS1618-8CA
Host	TELEPERM M / AS 235 H
Acceptance	Diagnostics and functional response

PAGE TRACE	REQUIRED ENTRY
Inspector	_____
Result	Pass / hold / corrective action
Record	Date, diagnostic state and release reference

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05 Acceptance and service handover

Siemens 6DS1618-8CA supplies the testable binary-input path for the AS 235 H PBE driver and supports 1-out-of-1, 1-out-of-2 and 2-out-of-2 configurations.

Complete the release record

Confirm the complete Siemens 6DS1618-8CA marking before work.

Exact article	6DS1618-8CA
Product family	TELEPERM M / AS 235 H
Module type	Testable binary input module (PBE)

Retain acceptance evidence

Place every dependent binary function in the approved maintenance state.

Identity	6DS1618-8CA
Host	TELEPERM M / AS 235 H
Acceptance	Diagnostics and functional response

Siemens 6DD1683-0BC0

Siemens 6DD1607-0EA1

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