Product dashboard

Siemens 6DS1717-8RR is a structurable TELEPERM M binary calculator module for PCS 7/TM integration with defined processing-cycle requirements.

Exact model	Product type	System family	Functional role
6DS1717-8RR	Structurable Binary Calculator Module	TELEPERM M	Binary Calculator Module

PARAMETER	DOCUMENTED VALUE
Exact article	6DS1717-8RR
Product family	TELEPERM M
Module type	Binary calculator module
Configuration	Structurable
Integration context	Connecting TELEPERM M I/O to PCS 7
TPM 478 processing time	10 ms without analog values
TPM 478 processing time with analog values	18 ms
Cycle guidance	Use a slow cycle, for example 1 s

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

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6DS1717-8RR

System overview

Siemens 6DS1717-8RR provides a structurable binary-calculation position in TELEPERM M, with the PCS 7/TM manual specifying driver processing time and cycle-order constraints.

Binary calculation

Runs the retained structurable binary function for the TELEPERM M position.

PCS 7/TM integration

Represents the exact RR module and driver-cycle relationship in the migrated configuration.

Cycle-controlled execution

Applies the processing-time and DB 1 cycle requirements.

Legacy logic maintenance

Restores the recorded binary structure without copying a nearby module configuration.

SYSTEM POSITION	RECORD
Installed identity	6DS1717-8RR
Host relationship	TELEPERM M
Controlled function	structurable binary calculation under the PCS 7/TM processing-cycle rules

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Technical data map

PARAMETER	VERIFIED VALUE
Exact article	6DS1717-8RR
Product family	TELEPERM M
Module type	Binary calculator module
Configuration	Structurable
Integration context	Connecting TELEPERM M I/O to PCS 7
TPM 478 processing time	10 ms without analog values
TPM 478 processing time with analog values	18 ms
Cycle guidance	Use a slow cycle, for example 1 s
DB 1 rule	Configured processing cycle faster than the PLC cycle of corresponding driver blocks

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	structurable binary calculation under the PCS 7/TM processing-cycle rules

Technical evidence record: Siemens Connecting TM I/O to PCS 7 C79000-G8076-C710-04, source page 40

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Applications and precautions

1. Confirm the complete Siemens 6DS1717-8RR marking before work.
2. Place every dependent binary function in the approved maintenance state.
3. Back up the complete binary structure and associated driver-block assignments.
4. Record whether the structure uses analog values before calculating cycle demand.
5. Verify the applicable 10 ms or 18 ms TPM 478 processing-time case.
6. Confirm the DB 1 processing cycle is faster than the associated PLC driver cycle.
7. Review module, interface and cycle diagnostics after controlled energization.
8. Functionally test the retained binary calculation 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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6DS1717-8RR

Buyer and engineering FAQ

What function does Siemens 6DS1717-8RR provide?

The Siemens table identifies it as a structurable binary calculator module.

Which product family includes Siemens 6DS1717-8RR?

It is listed in the TELEPERM M I/O configuration for PCS 7/TM integration.

What processing time applies to Siemens 6DS1717-8RR without analog values?

The TPM 478 processing time is 10 ms.

What processing time applies to Siemens 6DS1717-8RR with analog values?

The TPM 478 processing time is 18 ms.

Related Apter Power pages

- Siemens 6AV6640-0CA01-0AX0
- Siemens 6DD3460-0AC0

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