

SIMATIC S7-400H REDUNDANT SYSTEMS

Product Data Sheet

6ES7478-2AC00-0AC0

S7-400H synchronization interface module

FUNCTION	FAMILY	ORIGIN	WEIGHT
S7-400H synchronization interface module	SIMATIC S7-400H redundant systems	Germany	Confirm before dispatch

S7-400 6ES7478-2AC00-0AC0 is a S7-400H synchronization interface module for the SIMATIC S7-400H redundant systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	6ES7478-2AC00-0AC0
Product Class	S7-400H Synchronization Interface Module
Product Family	SIMATIC S7-400H redundant systems
Control Supply	24 V DC or system backplane
Backplane Interface	SIMATIC system bus
Programming	STEP 7 / TIA Portal
Process Image	Cyclic I/O exchange
Diagnostics	Module and channel status
Isolation	Galvanically isolated field circuits
Mounting	SIMATIC rail or rack

ADDITIONAL PRODUCT DATA

Protection Class	IP20 installed
Operating Temperature	0 to +60 °C class
Status Indication	Front-panel LEDs

OFFICIAL APPLICATIONS

- Balance clean-in-place transfer with S7 400H process control: At the control layer of the CIP supply and return headers, 6ES7478-2AC00-0AC0 serves its documented function as a S7-400H synchronization interface module. During sanitation transition, the system uses this function to coordinate valve paths and pump availability, helping it complete sanitation without cross-routing product.
- Integrate reactor charging with S7 400H process control: As part of the feed valves, vessels and agitators, 6ES7478-2AC00-0AC0 provides its specified system function as a S7-400H synchronization interface module. During batch initiation, the system uses this function to sequence the material path against vessel readiness, helping it begin the reaction from a verified state.
- Support chemical dosing with S7 400H process control: At the control layer of the metering pumps and contact tanks, 6ES7478-2AC00-0AC0 operates in its approved product-family role as a S7-400H synchronization interface module. During dose-setpoint correction, the system uses this function to match reagent flow to the measured process load, helping it keep treatment chemistry inside its operating target.

SYSTEM COMPATIBILITY

Match 6ES7478-2AC00-0AC0 to the installed SIMATIC S7-400H redundant systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Siemens official product documentation and manufacturer catalog](#)

<https://mall.industry.siemens.com/mall/en/WW/Catalog/Product/6ES7478-2AC00-0AC0>

AMIKON PRODUCT SUPPORT

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