

SIMATIC INTELLIGENT PROCESS MODULES

Product Data Sheet

6FM1705-3AA00

SIMATIC process signal module

FUNCTION	FAMILY	ORIGIN	WEIGHT
SIMATIC process signal module	SIMATIC intelligent process modules	Germany	Confirm before dispatch

Siemens Simatic S7 6FM1705-3AA00 is a SIMATIC process signal module for the SIMATIC intelligent process modules. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	6FM1705-3AA00
Product Class	Simatic Process Signal Module
Product Family	SIMATIC intelligent process modules
Module Series	SIMATIC WF intelligent module
Control Function	Positioning / process sequencing
Axis Feedback	Incremental encoder input
Setpoint Output	Digital or analog drive command
Program Interface	SIMATIC host PLC
Backplane	SIMATIC rack bus
Operating Mode	Automatic and setup modes

ADDITIONAL PRODUCT DATA

Position Capture	Hardware counter
Diagnostic Support	Module status and error flags
Supply Source	Rack backplane
Mounting	SIMATIC rack slot

OFFICIAL APPLICATIONS

- Align press sequencing with Simatic Process process control: During operation of the feed systems, dies and safety interfaces, 6FM1705-3AA00 provides its specified system function as a SIMATIC process signal module. During part change, the system uses this function to apply the selected product recipe to the sequence, helping it produce the intended part without skipping an interlock.
- Support filtration backwash with Simatic Process: As part of the filter cells and backwash valves, 6FM1705-3AA00 provides its specified system function as a SIMATIC process signal module. During filter loading, the system uses this function to sequence isolation, drain and rinse paths, helping it return the filter to production in a known state.
- Support recipe mixing during recipe changeover: Within the mixers and ingredient skids, 6FM1705-3AA00 provides its specified system function as a SIMATIC process signal module. During recipe changeover, the system uses this function to sequence material transfers and equipment permissives, helping it preserve the verified batch state.

SYSTEM COMPATIBILITY

Match 6FM1705-3AA00 to the installed SIMATIC intelligent process modules, 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/6FM1705-3AA00>

AMIKON PRODUCT SUPPORT

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