MOORE AUTOMATION TECHNICAL DATA SHEET

6ES7288-6EC01-0AA0

Siemens SIMATIC S7-200 SMART 1 m I/O Expansion Cable

Exact article	6ES7288-6EC01-0AA0	Product family	SIMATIC S7-200 SMART

FUNCTION	CABLE LENGTH	ARRANGEMENT	LIFECYCLE
I/O expansion link	1 m	Two-tier setup	Active Product

Verified technical characteristics

PARAMETER	ARTICLE-SPECIFIC VALUE
Article number	6ES7288-6EC01-0AA0
Product designation	S7-200 SMART expansion cable
Cable length	1 m
Intended arrangement	Two-tier expansion-module setup
Connector arrangement	Male-to-female expansion-bus cable
Weight in system manual	80 g
Current packaged net weight	0.115 kg
Package dimensions	18.5 x 12.6 x 4.2 cm
System family	SIMATIC S7-200 SMART
Current Siemens lifecycle	Active Product

IMPORTANT This sheet is tied to the exact Siemens article number. Confirm the supplied hardware version, firmware, electrical ratings and current manufacturer documentation before installation.

APPLICATION AND COMMISSIONING GUIDE

Engineering checks for 6ES7288-6EC01-0AA0

Application-fit matrix

APPLICATION CONTEXT	ENGINEERING FIT
Two-row panel layouts	Links compatible S7-200 SMART expansion modules when a single horizontal row is not practical.
Cabinet-space optimization	Allows a verified two-tier arrangement without treating the expansion bus as ordinary field wiring.
Retrofit panel re-layout	Supports relocation of an expansion-module tier while retaining the specified one-metre bus connection.
Service replacement	Restores a damaged or missing S7-200 SMART expansion link when the exact cable number has been confirmed.

Six-point verification workflow

01 Match article identity

Confirm the complete order number 6ES7288-6EC01-0AA0 on the supplied nameplate.

02 Check electrical design

Verify supply, input, output and interface ratings against the actual panel wiring.

03 Confirm system compatibility

Match the SIMATIC S7-200 SMART hardware, firmware, accessories and engineering project.

04 Inspect installation conditions

Check terminal assignment, grounding, cable routing, ventilation and environmental limits.

05 Commission with evidence

Record supply measurements, diagnostics, I/O tests, communication status and the validated project backup.

06 Approve replacement

Release the unit only after the application owner confirms functional and safety checks.

Article-specific engineering notes

Use only as the expansion link

This is a system bus accessory, not an Ethernet, PROFIBUS, PROFINET or generic sensor cable.

Respect the one-metre design

Do not extend the cable with improvised connectors; maintain the Siemens-specified arrangement and connector orientation.

SOURCE BASIS Prepared by Moore Automation from the article-specific records identified as Siemens SiePortal product page, Siemens S7-200 SMART System Manual. This independent technical sheet is not a Siemens-issued manual and does not replace current manufacturer instructions for installation, wiring, safety or certification.

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