

Siemens 6ES7 153-2BA82-0XB0

Technical Reference

Siemens 6ES7 153-2BA82-0XB0 is the IM 153-2 HF interface module for SIMATIC ET 200M, DP/PA Link and Y Link configurations. It supports extended-temperature operation, redundancy, timestamping, isochronous mode and expanded HART data handling for documented station arrangements.

PRODUCT ROLE AND VERIFIED FEATURES

Feature 1

Connects an ET 200M station to PROFIBUS DP.

Feature 2

Supports up to 12 S7-300 modules in the documented station arrangement.

Feature 3

Provides redundancy, timestamping and isochronous-mode functions.

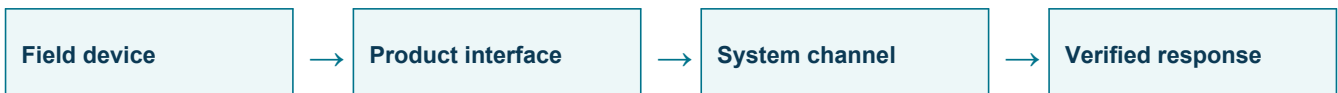
Feature 4

Supports expanded HART secondary variables and 64-channel module operation.

VERIFIED DATA SNAPSHOT

System family	SIMATIC ET 200M
Interface type	IM 153-2 HF
Fieldbus	PROFIBUS DP
Supported modules per station	Up to 12 S7-300 modules

SYSTEM RELATIONSHIP



APTERPOWER SALES TEAM
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 Scan the approved WhatsApp code for model-specific support.



Technical profile

Verified technical values for the complete product string are arranged below for selection and engineering review.

System family	SIMATIC ET 200M
Interface type	IM 153-2 HF
Fieldbus	PROFIBUS DP
Supported modules per station	Up to 12 S7-300 modules
Redundancy	Supported
Timestamping	Supported
Isochronous mode	Supported
HART scope	Expanded secondary-variable support
High-density operation	64-channel modules; 32 signals per slot

SELECTION ANCHORS

- Connects an ET 200M station to PROFIBUS DP.
- Supports up to 12 S7-300 modules in the documented station arrangement.
- Provides redundancy, timestamping and isochronous-mode functions.
- Supports expanded HART secondary variables and 64-channel module operation.

IMPORTANT NOTICE

Use the values as one matched configuration. Do not substitute a nearby ordering code without a separate check.

MANUFACTURER SOURCE CONTROLS

Manufacturer source	Siemens IM 153-2 product data and Bus Links product information A5E35926358-AB
Evidence boundary	Technical statements are limited to the identified product or applicable manufacturer family.
Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

ADDITIONAL ENGINEERING CHECKS

What completes commissioning of Siemens 6ES7 153-2BA82-0XB0?	Verify master communication, module diagnostics, process data and redundancy behavior where used.
Which installation records should accompany Siemens 6ES7 153-2BA82-0XB0?	Record the complete article number, interface module position, connections, controlled settings and functional test result.

System role and architecture



APPLICATION POINTS

Distributed I/O Connect ET 200M signal modules to a PROFIBUS DP master.	Redundant automation Operate the documented redundant ET 200M interface arrangement.
Process instrumentation Transfer HART secondary variables through supported modules.	Time-coordinated acquisition Use timestamping or isochronous operation where the system configuration supports it.

INTEGRATION RECORD

Identity	Record the complete marking and installed position.
Mechanical interface	Confirm mounting, support, clearance and connector engagement.
Electrical interface	Confirm signal path, shield, common and receiving-channel assignment.
Configuration	Retain the controlled channel settings and acceptance criteria.
Functional evidence	Record the expected static value, dynamic response and system status.

The interface module serves a defined role in its documented SIMATIC system. Match the rack, interfaces, configuration and program safeguards before the controlled system returns to service.

ENGINEERING REVIEW QUESTIONS

What module type is Siemens 6ES7 153-2BA82-0XB0?	It is the high-feature IM 153-2 interface module.
Which distributed I/O family uses Siemens 6ES7 153-2BA82-0XB0?	It is assigned to SIMATIC ET 200M and documented DP/PA Link and Y Link arrangements.
Which fieldbus connects through Siemens 6ES7 153-2BA82-0XB0?	The module provides the PROFIBUS DP station interface.
How many S7-300 modules can Siemens 6ES7 153-2BA82-0XB0 support in the documented station?	The specified arrangement supports up to 12 modules.

Engineering checks and acceptance

PRODUCT PRECAUTIONS

- 01 Confirm the complete 6ES7 153-2BA82-0XB0 article number and IM 153-2 HF designation.
- 02 Verify the ET 200M, DP/PA Link or Y Link role before replacement.
- 03 Back up the PROFIBUS address, station configuration and redundancy settings.
- 04 Record module order, bus connectors and active-backplane arrangement.
- 05 Apply power isolation and electrostatic-discharge controls.
- 06 Do not exceed the documented module and signal limits for the station.
- 07 Check bus fault, system fault and operating indicators after startup.
- 08 Verify master communication, module diagnostics and the required redundancy response.

RELEASE EVIDENCE

Exact identity	Product marking and intended system position agree.
Interface condition	Mounting, connectors, terminals and cable routing are secure.
Signal response	The expected static and dynamic behavior has been observed.
Protection state	Channel status, alarms and controlled bypass state are restored.

IMPORTANT NOTICE

Use the complete article number and verify the intended SIMATIC system before installation.

APPLICATION BOUNDARIES

Distributed I/O	Connect ET 200M signal modules to a PROFIBUS DP master.
Redundant automation	Operate the documented redundant ET 200M interface arrangement.
Process instrumentation	Transfer HART secondary variables through supported modules.
Time-coordinated acquisition	Use timestamping or isochronous operation where the system configuration supports it.

Technical questions and related models

MODEL-SPECIFIC QUESTIONS

What module type is Siemens 6ES7 153-2BA82-0XB0?	It is the high-feature IM 153-2 interface module.
Which distributed I/O family uses Siemens 6ES7 153-2BA82-0XB0?	It is assigned to SIMATIC ET 200M and documented DP/PA Link and Y Link arrangements.
Which fieldbus connects through Siemens 6ES7 153-2BA82-0XB0?	The module provides the PROFIBUS DP station interface.
How many S7-300 modules can Siemens 6ES7 153-2BA82-0XB0 support in the documented station?	The specified arrangement supports up to 12 modules.
Which synchronization and event functions are available on Siemens 6ES7 153-2BA82-0XB0?	The module supports isochronous operation and timestamping in suitable configurations.
What should be saved before replacing Siemens 6ES7 153-2BA82-0XB0?	Save the station, address, redundancy and module configuration.

RELATED MODELS ON APTERPOWER

Siemens 6ES5460-4UA12	Related product reference. Review the complete ordering string before selection.
Siemens 6ES5928-3UB12	Related product reference. Compare the required interface and system position.
Siemens 6ES5928-3UA11	Related product reference. Confirm the execution independently for the intended task.

SOURCE AND SELECTION RECORD

Manufacturer source	Siemens IM 153-2 product data and Bus Links product information A5E35926358-AB
Evidence boundary	Technical statements are limited to the identified product or applicable manufacturer family.
Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

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