



Siemens 6ES7195-7HB00-0XA0

Bus Module

Product scope

- Carries the ET 200M backplane connection beneath two 40 mm I/O positions.
- Allows configured modules to be removed and inserted within the supported station arrangement.
- Uses the BM 2 x 40 format identified by the exact 6ES7 order number.

Manufacturer source

Exact-model technical record

Verified model-specific overview, function, operating principle, applications and technical data.

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Siemens 6ES7195-7HB00-0XA0

Bus Module

Product overview

Siemens 6ES7195-7HB00-0XA0 is the BM 2 x 40 bus module for two 40 mm SIMATIC ET 200M I/O modules. It supports removal and insertion of configured modules in an IM 153 station.

6ES7195-7HB00-0XA0 forms a two-position section of the active ET 200M backplane. Its 97 mm body accepts two 40 mm I/O modules and preserves the station bus path through the modular assembly.

The bus module lets a configured I/O position remain part of an ET 200M station while the removable module above it is serviced. This mechanical and electrical arrangement is used where maintenance access must not require rebuilding the complete rail assembly.

Replacement planning must retain the IM 153 station layout, adjacent bus-module order and 40 mm module widths. The BM 2 x 40 identity should be checked directly because other ET 200M bus modules support different module counts or widths.

Technical specifications

Supported module positions	2
Module width per position	40 mm
Overall width	97 mm; 80 mm when installed
Height	92 mm
Depth	30 mm
Operating ambient temperature	0 to 60 °C
Product function	Removal and insertion bus module
Station interface	SIMATIC ET 200M active backplane bus
Module assignment	Two S7-300 I/O modules, 40 mm each
Mechanical format	DIN-rail bus module
Net weight	Approximately 0.132 kg
Country of origin	Germany

6ES7195-7HB00-0XA0 function and operating principle

Ordered configuration

This ordering configuration is a two-position bus module rather than an active signal-processing card.

System role

It provides the mechanical base and internal bus continuity used by modular ET 200M stations.

Selection and installation

Station order, module width and neighbouring bus-module engagement must be checked before the rail is energized.

Functional path

- Carries the ET 200M backplane connection beneath two 40 mm I/O positions.
- Allows configured modules to be removed and inserted within the supported station arrangement.
- Uses the BM 2 x 40 format identified by the exact 6ES7 order number.

Application scenarios

- Process I/O stations requiring exchangeable S7-300 modules can use this two-position active-backplane section.
- Maintenance-oriented cabinets benefit from replacing an I/O module without dismantling the complete station bus.
- Expansion layouts use the unit where two adjacent 40 mm module positions are specified in the hardware configuration.

6ES7195-7HB00-0XA0 engineering checks

Installation

- The unit snaps into the ET 200M rail arrangement beneath two adjacent I/O modules.
- Both 40 mm positions must engage correctly with the bus connectors before module insertion.
- The assembled width is 80 mm in the station even though the loose component measures 97 mm overall.

Compatibility

- It belongs to ET 200M stations built around the IM 153-1 or IM 153-2 interface family.
- Only the two-position 40 mm layout matches this bus-module execution.
- Hardware configuration must reflect the physical slot order used in the installed station.

Operating Environment

- Operation is specified from 0 to 60 °C in the documented ET 200M installation conditions.
- The component is intended for enclosed industrial control cabinets and the specified mounting rail.
- Mechanical seating and clean backplane contacts are essential for stable station communication.

Critical technical note

Keep the 6ES7195-7HB00-0XA0 bus-module sequence intact; a wrong module width or position can interrupt the ET 200M backplane path.

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