6ES7592-1BM00-0XA0

01 / Product identity and control context

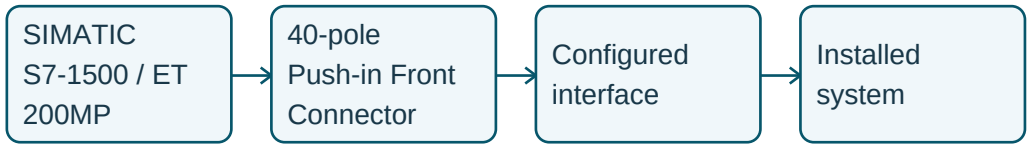
40-pole Push-in Front Connector

Siemens 6ES7592-1BM00-0XA0 is a 40-pole push-in front connector for 25 mm wide SIMATIC S7-1500 and ET 200MP modules and applicable compact CPUs.

Key characteristics

Product type	40-pole Push-in Front Connector
Product series	SIMATIC S7-1500 / ET 200MP
Number of poles	40

Functional relationship



Connector selection

Match the 25 mm module or compact CPU and its exact front-connector assignment.

Configuration boundary

Connector data applies to the 25 mm push-in execution. Conductor size, occupancy and ferrule limits must be evaluated together with the connected module pinout.

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

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02 / Technical characteristics

Hardware and functional data

Product series	SIMATIC S7-1500 / ET 200MP
Number of poles	40
Connection technology	Push-in
Module assignment	25 mm wide modules and applicable compact CPUs
Conductor range	0.25 to 1.5 mm², subject to occupancy limits

Interfaces and operating conditions

Wiring-density limit	Maximum 32 × 0.75 mm² plus 8 × 1.5 mm²
Stripping length	8 to 11 mm
Terminal tool	Conical screwdriver, 3 to 3.5 mm
Cable retention	Cable tie included in product execution

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03 / Application and integration contexts

Module field wiring

Terminate field conductors on compatible 25 mm S7-1500 or ET 200MP modules.

Compact CPU connections

Use the connector only with compact CPUs that specify this 40-pole execution.

Circuit assignment

Use the connected module pinout; the connector does not define the signal or circuit rating.

Cabinet wiring assembly

Prepare the specified conductor sizes and ferrules, then secure the cable bundle with strain relief.

Module service work

Preserve the field-circuit assignment while comparing the connector and replacement module.

Conductor preparation

Check conductor size, occupancy limits, stripping length and ferrule selection before termination.

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04 / Installation and release decisions

Connector selection

Match the 25 mm module or compact CPU and its exact front-connector assignment.

Circuit assignment

Use the connected module pinout; the connector does not define the signal or circuit rating.

Conductor preparation

Check conductor size, occupancy limits, stripping length and ferrule selection before termination.

Wiring acceptance

Verify terminal retention, cable-tie strain relief and the complete wiring assignment before energization.

Protect the hardware

Use the applicable isolation and electrostatic-discharge controls. Preserve connectors, identification and mechanical retention during handling.

Verify the restored function

Apply the approved site acceptance procedure and compare actual behavior with the recorded system configuration before returning equipment to service.

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05 / Lifecycle, evidence and related portfolio

Lifecycle status

The manufacturer lifecycle phase is Active Product. Retain the exact connector and module-width assignment when planning maintenance.

Supply boundary

Apter Power availability and dispatch are confirmed separately from the manufacturer lifecycle phase.

Technical basis

Siemens 6ES7592-1BM00-0XA0 Product Data Sheet.

Related product references

Siemens 6ES7522-1BH00-0AB0

Siemens 6XV1830-0EH10 200M

Siemens 6DD1661-0AE0

Navigation only; no substitute or accessory compatibility is implied.

Offered-unit verification

Compare the complete label, connectors, mounting arrangement and applicable hardware/software revision. Confirm included components and accompanying documents in the quotation.

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