

Siemens 6ES7151-1AA05-0AB0 Manual

Brand	Siemens
Product Series	Siemens
Product Type	-

Description

The Siemens 6ES7151-1AA05-0AB0 is a crucial interface module designed for seamless integration in I/O applications. It features a robust communication mode based on the PROFIBUS DP protocol, streamlining data exchange in system configurations with multiple modules.

Technical specifications for 6ES7151-1AA05-0AB0

Manufacturer Siemens

Product Line I/O Modules

Part Number 6ES7151-1AA05-0AB0

UPC 662643400878

Weight 0.31 lbs (0.14 kg)

Product Interface Module

Data Volume 244 bytes

Communication Mode PROFIBUS DP

Number of Supported I/O Modules 63

Maximum Cable Length 1200 meters

Ambient Temperature Range 0 to 40 degrees Celsius

Operating Humidity Up to 80% RH (non-condensing)

Storage Humidity Up to 80% RH (non-condensing)

Maximum Operating Altitude 1000 meters above sea level

Description

Encompassed in the I/O Modules series, the Siemens 6ES7151-1AA05-0AB0 acts as an interface module tailored for efficient communication and control. This unit is built to handle a data volume of 244 bytes, allowing it to support systematic data transmission effectively. The communication mode utilized is PROFIBUS DP, enabling the connection of up to 63 additional I/O modules for comprehensive application setups.

The maximum cable length permitted with this module is 1200 meters, making it a reliable choice for larger systems where distance can be a factor. Weighing in at approximately 0.15 kilograms, the module is lightweight, facilitating easy handling and installation.

The operational temperature range for the 6ES7151-1AA05-0AB0 ideally falls between 0 to 40 degrees Celsius, ensuring reliable performance in standard environmental conditions. Additionally, it can function in environments with humidity levels reaching up to 80% RH without condensation affecting its performance. For storage, it remains effective under similar humidity conditions. This module is also rated for operation at altitudes up to 1000 meters above sea level, providing flexibility for various installation preferences in diverse industrial settings.

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