

6ES7142-1BD11-0XB0

Industrial automation components

Manufacturer	Siemens
Catalog number	6es7142-1bd11-0xb0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	0.50 kgs
Component Specifications	et200x
I/O Channels	4 D0
I/O Configuration	4
Product Type	Basic Module
Supply Voltage	24V DC V
Current Rating	2A
Digital Outputs	4
Connector Type	5-pin M12
Protection Rating	IP66/67
Interface Type	PROFIBUS DP
Data Transfer Rate	12 Mbit/s
Power Supply Interface	Integrated
Compatibility	Siemens S5/S7 systems
Dimensions	110 mm x 87 mm x 55 mm
Weight	0.44 kg

Description

The Siemens 6ES7142-1BD11-0XB0 is a robust Basic Module (BM142) from the SIMATIC ET 200X series, engineered for decentralized automation in industrial environments. This module features four digital outputs, each rated at 24V DC with a 2A current capacity, facilitating efficient control of various devices. Connectivity is streamlined through 5-pin M12 connectors, ensuring secure and reliable connections. Designed to withstand harsh conditions, the module boasts an IP66/67 protection rating, safeguarding it against dust and moisture. Integrated with a PROFIBUS DP interface, it supports data transfer rates up to 12 Mbit/s, enabling high-speed communication within automation systems. Additionally, the built-in power supply interface simplifies installation by reducing the need for external components. The 6ES7142-1BD11-0XB0 is compatible with Siemens S5/S7 systems, making it a versatile choice for diverse automation applications. Its durable construction and comprehensive features make it suitable for controlling devices and actuators in distributed systems, particularly in environments exposed to dust, moisture, or mechanical stress. The integrated PROFIBUS DP interface ensures fast and efficient data exchange, while the built-in power supply interface reduces the need for external components, streamlining system design and maintenance.