

6ES7141-1BF01-0XB0

Industrial automation components

Manufacturer	Siemens
Catalog number	6es7141-1bf01-0xb0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	0.09 kgs
Component Specifications	bm141
I/O Channels	8 DI
I/O Configuration	8
Signal Level	24 V
Interface Type	profibus
Signal Type	24

Description

The Siemens 6ES7141-1BF01-0XB0 is a robust Basic Module (BM141) designed for the SIMATIC DP series, specifically tailored for the ET 200X distributed I/O system. This module features eight digital inputs (8DI) operating at 24 V DC, facilitating seamless integration with various industrial sensors and devices. It utilizes a 5-pin M12 connector with double-assignment capabilities, enhancing flexibility and simplifying wiring configurations in compact control cabinets. The integrated PROFIBUS DP interface supports data transfer rates up to 12 Mbit/s, ensuring high-speed and reliable communication within automation networks. With an IP66/67 protection rating, the module is engineered to withstand harsh industrial environments, offering resistance to dust and water ingress. Additionally, the integrated power supply interface streamlines installation by reducing the need for external components, thereby optimizing system design and maintenance processes. This module is ideal for applications requiring durable and efficient digital input solutions within the SIMATIC DP framework.