

## 6ES7142-1BD30-0XA0

Industrial automation components

|                       |                                  |
|-----------------------|----------------------------------|
| <b>Manufacturer</b>   | Siemens                          |
| <b>Catalog number</b> | 6es7142-1bd30-0xa0               |
| <b>Category</b>       | Industrial automation components |
| <b>Product type</b>   | Industrial automation components |
| <b>Status</b>         | Active product                   |

### Technical specification

|                            |          |
|----------------------------|----------|
| <b>Weight</b>              | 0.11 kgs |
| <b>Current</b>             | 0.5 A    |
| <b>I/O Channels</b>        | 4 DO     |
| <b>I/O Configuration</b>   | 4        |
| <b>Cable Specification</b> | 200 × 4  |
| <b>Product Type</b>        | Module   |
| <b>Signal Level</b>        | 24 V     |

### Description

The Siemens 6ES7142-1BD30-0XA0 is an expansion module designed for the SIMATIC ET 200X system, offering four digital outputs (DO) at 24 V DC with a current rating of 0.5 A. This module is equipped with a 5-pin M12 connector and features an IP65-rated housing, ensuring robust protection against dust and water ingress, making it suitable for demanding industrial environments. It is compatible with all basic modules of the ET 200X series, facilitating seamless integration into existing automation setups. Key specifications include a typical power loss of 1.2 W, electronic short-circuit protection with a response threshold of approximately 1 A, and a maximum switching frequency of 100 Hz for resistive loads. The module's compact dimensions (87 x 110 x 55 mm) and lightweight design (approximately 250 g) contribute to easy installation and maintenance. For detailed technical information, refer to the official Siemens datasheet.