

SIEMENS SIMATIC PLC S7-400 6ES7421-7BH01-0AB0 SM421 DI 16 x DC 24 V Digital input module

Our Product Introduction

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Basic Information

- Place of Origin: GERMANY
- Brand Name: SIEMENS
- Certification: CE
- Model Number: 6ES7421-7BH01-0AB0
- Minimum Order Quantity: 1
- Price: USD
- Packaging Details: 23,30 x 29,70 x 4,10
- Delivery Time: 5-10DAYS
- Payment Terms: L/C, T/T
- Supply Ability: 10PC



Product Specification

- Communication Protocols: PROFIBUS, PROFINET, Ethernet
- Cpu Type: S7-400
- Dimensions: 295 X 210 X 30 Mm
- Manufacturer: Siemens
- Number Of Digital Inputs: 16
- Operating System: SIMATIC S7
- Power Supply: 24V DC
- Programming Languages: STEP 7
- Weight: 0.5 Kg



More Images



Product Description

SIEMENS SIMATIC PLC S7-400 6ES7421-7BH01-0AB0 SM421 DI 16 x DC 24 V Digital input module

Product Name: SIEMENS SIMATIC PLC S7-400 6ES7421-7BH01-0AB0 SM421

Introduction:

The SIEMENS SIMATIC PLC S7-400 6ES7421-7BH01-0AB0 SM421 is a digital input module designed for the SIEMENS SIMATIC S7-400 series programmable logic controllers (PLCs). It provides 16 digital input channels that can be used to interface with various sensors, switches, and other devices.

Origin: Germany

Product Specifications:

- Product Name: SIEMENS SIMATIC PLC S7-400 6ES7421-7BH01-0AB0 SM421
- Model: SM421
- Compatibility: SIEMENS SIMATIC S7-400 series
- Number of Digital Inputs: 16
- Input Voltage: 24V DC
- Input Current: Varies depending on the module
- Input Signal: Digital (On/Off)
- Dimensions (W x H x D): Varies depending on the module
- Weight: Varies depending on the module

Product Features:

- Digital input module for the SIEMENS SIMATIC S7-400 series PLCs
- Provides 16 digital input channels
- Designed for interfacing with sensors, switches, and other devices
- Input voltage of 24V DC
- Supports digital (On/Off) input signals
- High-speed operation for real-time control applications
- Diagnostic LEDs for monitoring input status

Functionality:

- The SIEMENS SIMATIC PLC S7-400 6ES7421-7BH01-0AB0 SM421 module is used to connect and monitor digital input signals in the S7-400 PLC system.
- It provides 16 digital input channels, allowing for the connection of various devices such as sensors, switches, and other digital output devices.
- The module is designed to operate with an input voltage of 24V DC, which is a common voltage level in industrial automation applications.
- The digital input channels support On/Off input signals, providing high-speed and accurate monitoring of the connected devices.
- The module is capable of handling high-speed input signals, making it suitable for real-time control applications where quick response and precise timing are required.
- The diagnostic LEDs on the module allow for easy monitoring of the input status, providing visual feedback on the operational status of the connected devices.

Applications:

The SIEMENS SIMATIC PLC S7-400 6ES7421-7BH01-0AB0 SM421 module is used in various automation applications where monitoring and control of digital input signals are required. Some common applications include:

- Monitoring switches and push buttons
- Interfacing with sensors such as proximity sensors, limit switches, and temperature sensors
- Monitoring status signals from devices and equipment
- Safety systems and emergency stop circuits
- Machine control and automation systems

Please note that the specific usage and installation of the SM421 module may require referring to the official documentation or consulting with Siemens for detailed information and support.





Overview

SM 421; DI 16 x 24 V DC has the following properties:

- 16 inputs, isolated in 2 groups of 8
- Rapid signal processing Input filter from 50 μ s
- Rated input voltage 24 V DC
- Suitable for switches and 2-/3-/4-wire proximity switches (BEROs, IEC 61131-2; type 2)
- 2 short-circuit proof sensor supplies for 8 channels each
- External redundant supply for sensor supply possible
- Status display "Sensor voltage (Vs) O.K."
- Group fault display for internal faults (INTF) and external faults (EXTF)
- Configurable diagnostics
- Configurable diagnostic interrupt
- Configurable hardware interrupts
- Configurable input delays
- Configurable substitute values in the input range

The status LEDs indicate the process status.

Note

The module spare parts are compatible with SM 421 module; DI 16 x 24 V DC; (6ES7 421-7BH00-0AB0)

To use the new function "Input delay 50 μ s", you require STEP7 from V 5.2.

Connection and circuit diagram for SM 421; DI 16 x 24 V DC

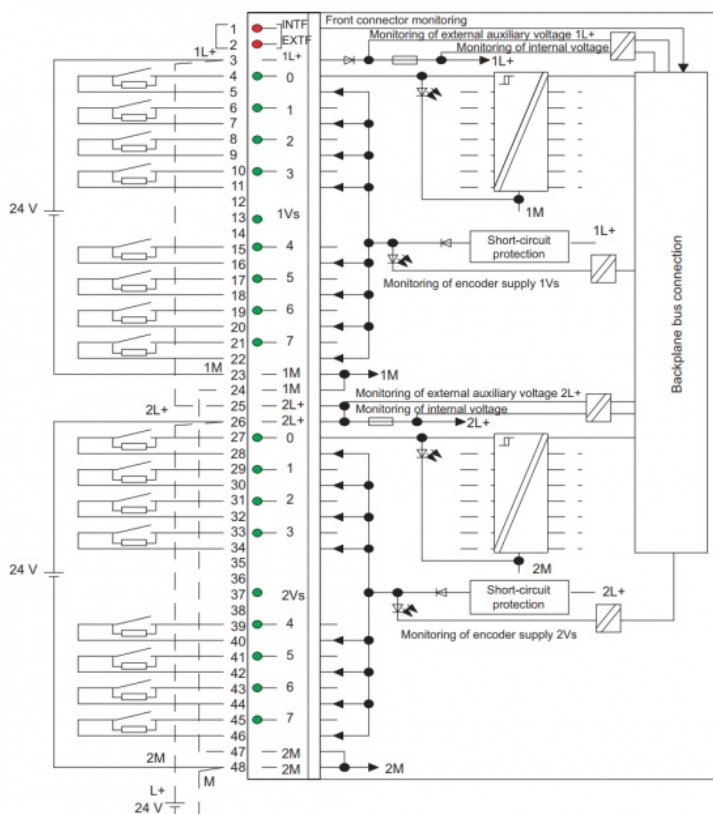


Figure 4-3 Connection and circuit diagram for SM 421; DI 16 x 24 V DC

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| Product | |
| Article Number (Market Facing Number) | 6ES7421-7BH01-0AB0 |
| Product Description | SIMATIC S7-400, digital input SM 421, isolated 16 DI; 24 V DC with 0.05 ms input delay alarm, diagnostics |
| Product family | SM 421 digital input module |
| Product Lifecycle (PLM) | PM300:Active Product |
| Price data | |
| Region Specific PriceGroup / Headquarter Price Group | 240 / 240 |
| List Price | Show prices |
| Customer Price | Show prices |
| Surcharge for Raw Materials | None |
| Metal Factor | None |
| Delivery information | |
| Export Control Regulations | AL : N / ECCN : 9N9999 |
| Estimated dispatch time | 5 Day/Days |
| Net Weight (kg) | 0,776 Kg |
| Packaging Dimension | 23,30 x 29,50 x 3,80 |
| Package size unit of measure | CM |
| Quantity Unit | 1 Piece |
| Packaging Quantity | 1 |
| Additional Product Information | |
| EAN | 4019169117647 |
| UPC | 662643186291 |
| Commodity Code | 85389091 |
| LKZ_FDB/ CatalogID | ST74 |
| Product Group | 4041 |
| Group Code | R338 |
| Country of origin | Germany |



Shenzhen Voboal Industrial Automation Co., Ltd.



+8613760462017



sale@voboal.com



plcsimatic.com

Sienteng Zhongbao Industrial Park, Longdong Community, Baolong Street, Longgang District, Shenzhen

