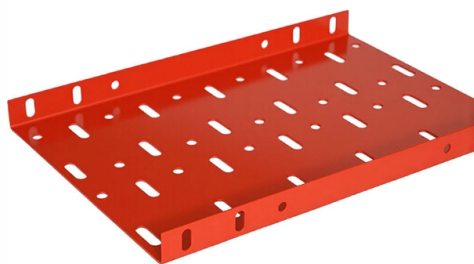


How to connect the power supply to the industrial switch us1



Overview

Networking Tips: Installing Industrial Products (Including Surge. Before getting started, make sure the power supply is off. Take the red wire, and connect it to the positive terminal.

Key Takeaways

To connect the power supply to an industrial switch, ensure the power is off, connect positive and negative terminals correctly, and establish a proper ground before powering the device.

Safety First

Before starting, disconnect all power sources to prevent electrical shock or equipment damage. Remove jewelry and metal objects, and ensure the work area is dry and well-ventilated. Only qualified personnel, such as licensed electricians, should perform the installation ().

Required Tools and Materials

Screwdrivers (Phillips #1 and #2, flathead if needed) Wire strippers Copper ground wire (12-gauge for single ground, 6-gauge for dual ground) Crimping tool (optional, for secure connections) Power supply module compatible with the US1 switch

Step-by-Step Connection

Insert the Power Supply Module

Slide the module into the PSU1 or PSU2 slot until it is flush with the rear panel. Apply gentle pressure to ensure proper seating ().

Connect DC or AC Power Wires

For D

C power: connect the positive wire from the power source to the positive terminal on the switch, and the negative wire to the negative terminal ().

For A

C power: connect live and neutral wires according to the switch specifications, ensuring proper fusing and compliance with local electrical codes ().

Establish Grounding

Connect the frame ground (FG) or ground terminal on the switch to a protective earth (PE) point. For dual-ground setups, use the supplied dual-hole lug and 6-gauge wire (). Always connect the ground first when installing and disconnect it last when removing the power supply ().

Check Connections

Ensure all wires are securely fastened and that no bare conductors are exposed. Verify that the power supply is fully seated and that the covers or faceplates are installed to prevent exposure to high voltage and EMI ().

Power On

Once all connections are verified, restore power to the circuit.

Observe the PSU OK LE

Ds to confirm proper operation ().

Additional Precautions

Maintain proper ventilation: 5 mm on sides, 40 mm above, 20 mm below, and 10–15 cm from heat sources (). Do not connect primary and secondary sides together. Avoid installing in high-moisture areas or near water ().

Use surge protection for connected devices to prevent damage from electrical spikes (). Following these steps ensures a safe and reliable connection of the power supply to your industrial switch (US1), protecting both personnel and equipment.

Article Content

Networking Tips: Installing Industrial Products (Including Surge ...

Before getting started, make sure the power supply is off. Take the red wire, and connect the positive connection of the power supply to the positive connection on the switch. Take the black wire, and

Connect Power Supplies, Alarm Relay, and Ground Connection

Connect the DC output terminals on the power supply to the DC input terminals on the switch. Insert the positive and negative wires into V+ and V- contacts on the terminal block respectively and tighten the

Terminal Track Theory and Power

Here I will explain how the terminal track is wired, and the basic theory of how the power is supplied and controlled for forward and reversing of the slot cars.

Cisco IE 5000 Hardened Aggregator Hardware

Insert the new power supply into the power supply slot, and gently apply pressure while pushing the module into the slot (Figure 27). When

Cisco IE 4010 Switch Hardware Installation Guide

This chapter describes how to remove and install a new or replacement power supply. Your switch ships with at least one installed power

A Practical Guide to wiring electrical switches in Industrial Panels

Discover safe, practical methods for wiring electrical switches in industrial control panels with step-by-step diagrams, protocols, and troubleshooting tips.

Install Power Supply Units and Connect Power

Connect the system or power supply only to a DC power source that complies with the safety extra-low voltage (SELV) requirements in IEC 60950-based safety standards.

How to Power On an Industrial Ethernet Switch | Step-by-Step Wiring ...

In this tutorial, we'll walk you through how to correctly wire and power on an industrial DIN-rail Ethernet switch using a DC terminal block connector.

Allen-Bradley Stratix 2000 Installation Instructions Manual

The Allen-Bradley Stratix 2000 Switch requires a 24V SELV power input, supporting a range of 12...48V DC or 18...30V AC (50...60 Hz). It is designed with a redundant power supply using a 4-pin, 5.08mm

Industrial Wiring Diagrams: A Guide for Engineers and Technicians ...

This guide will explain the essentials of industrial wiring diagrams, their types, common symbols, and best practices for professionals working in industrial settings.

Supply Chain, Electrical, and Distribution Services | Wesco

We build, connect, power, and protect the world. As a leading global supply chain solutions provider, we use inspiration to drive innovation.

Join a Microsoft Teams Meeting by ID | Microsoft Teams

Learn how to join a Microsoft Teams meeting quickly and easily with just a meeting ID. Once you're in, explore Teams features to make your meeting successful.

SIEMENS LOGO! MANUAL Pdf Download | ManualsLib

The small example below shows how to do this. 3.7.1 Selecting programming mode
You have connected LOGO! to the power supply and switched it on. Page 70:

Full text of "NEW"

Full text of "NEW" See other formats Word . the, > < br to of and a : " in you that i it
he is was for - with) on (? his as this ; be at but not have had from will are they -- !
all by if him one your

Keysight: Design, Emulate, and Test to Accelerate

Keysight empowers innovators with software-centric design, emulation, and test solutions to deliver tomorrow's breakthroughs at speed and with reduced risk.

ifm Efector, Inc. Homepage US

ifm efector: Innovative automation solutions ifm offers a wide range of high-performance sensors, controls, and IIoT solutions designed to optimize

MISUMI | Configurable Components | Distributor & Manufacturer

MISUMI is a leading supplier and manufacturer of configurable and fixed parts for automation, press die, injection mold, plastic mold, tool stamping, and more. Browse over 20 million high quality products -

Sign in to SharePoint | Microsoft Support

Sign in to SharePoint SharePoint is a browser-based app that you connect to through your web browser. With SharePoint, you can do many things, such as: uploading and sharing files to your document

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

Contact Us

Continue your research online:

Website: <https://bagyou.es>

Technical inquiry: <https://bagyou.es/project-enquiry.html>

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

