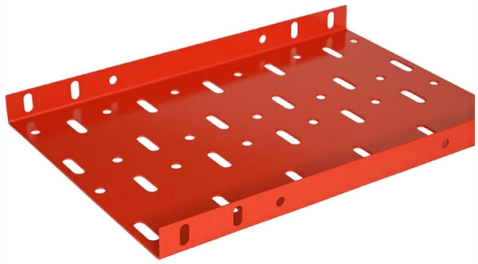
How to connect the power supply to the industrial switch us1



Overview

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

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 strippersCopper 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 switchStep-by-Step ConnectionInsert the Power Supply ModuleSlide the module into the PSU1 or PSU2 slot until it is flush with the rear panel. Apply gentle pressure to ensure proper seating ( ).

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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.

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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

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

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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:

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