

How to use Dongya industrial switches



AI Overview

Dongya industrial switches, including air switches and DC contactors, should be installed according to rated specifications, wired correctly, and operated within their designed load and environmental limits.

Installation Guidelines

Mounting: Ensure the switch is securely mounted in a dry, ventilated area with ambient temperatures between -25°C and $+40^{\circ}\text{C}$ and relative humidity below 80%.

Wiring: For main circuit terminals, tighten screws to a torque of 4–5 N·m. For control circuit terminals, tighten screws to 1–1.5 N·m. Ensure correct polarity for polar-type DC contactors; non-polar types can be connected in any direction.

Load Ratings: Verify that the switch's rated voltage and current match your application. For example, ZLJM-500C contactors support up to 500A at 80VDC or 250VAC.

Operation

Switching: Operate the switch within its rated contact switching capability. Avoid exceeding the maximum coil power dissipation (e.g., 1.8–15W depending on model) to prevent overheating.

Overload Performance: Dongya switches can handle 120% of rated current for 2 hours, but continuous operation above rated current is not recommended.

Air Switches: These automatically disconnect the circuit in case of leakage or overcurrent. Ensure the magnetic ring inductor and live/neutral wiring are correctly installed.

Safety Precautions

Always disconnect power before installation or maintenance. Avoid frequent plugging/unplugging of connected devices to prevent damage to the switch or socket. Ensure proper grounding to prevent electric shock. Do not exceed the rated voltage, current, or environmental limits.

Maintenance

Periodically inspect terminals for tightness and signs of corrosion. Check for abnormal temperature rise; for currents below 100A, temperature rise should not exceed 80K, and for currents above 100A, not more than 120K. Clean dust and debris from the switch housing to maintain reliable operation. By following these installation, operation, and maintenance guidelines, Dongya industrial switch...

Article Content

Building Logic Gates Using Industrial Switches: A DigiKey Lab

This lab is your first step toward understanding industrial control panels. The signal flow and continuity lessons are directly applicable to lessons in relay-based controls and Programmable

Knowledge

Principle of leakage circuit breaker 1 Jan 08 2021 Contact Us No. 28, Yuxing Road, Liwan Industrial Zone, Beibaixiang Town, Yueqing City, Zhejiang Province dy2@cn-dongya +86-577-62881067

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.

China Dongya Electronic

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Company Overview

Yueqing Dongya Electric Switch Factory is a lead manufacture of RCD/ALCI/GFCI in china for 39 years. PRCD/ALCI/GFCI device is widely used in international market which has get CE GS BS

DC contactor supplier, High Voltage Contactors

DONGYA products are designed to withstand harsh conditions and operate for extended periods of time. Our design engineers is over 30 years of experience industrial technology to enhance and

Knowledge

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Featured products from Yueqing Dongya Electric Switch Factory,

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DC contactor supplier, High Voltage Contactors

Dongya is a leading manufacturer of DC contactors with a factory covering an area of 10,000 square meters with more than 10 production lines equipped with the latest machines.

Contactor Manufacturer, Relay, Shunt Supplier

Zhejiang Dongya Electronic Co., Ltd. Was established in 1984, with registered capital of USD 1, 482, 353. Our company is specialized in manufacturing, developing and selling all kinds DC contactors,

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Dongya / Workshop Welcome to the production workshop of Dongya! Focus on customers' benefit, Satisfied with customers' development request. We continuously innovate

Exploring Dongya Contactor: Composition, Grades, and Industrial Uses

Dongya contactors support a broad spectrum of electrical control applications, making them ideal for diverse industries. Whether used in motor starters, lighting control panels, HVAC systems, or

Yueqing Dongya Electric Switch FACTORY

Yueqing Dongya Electric Switch FACTORY is a Chinese company
dustry:Manufacturing;Electrical machinery and equipment manufacturing
industry;Power transmission and distribution and control

DC Contactors | Since 1984

Discover the superior performance of our precision-engineered shunts, which provide reliable electrical conductivity to ensure optimal function in a variety of

DH100 High Voltage DC Contactor

High-voltage DC contactors are often used in high-power DC power distribution systems, renewable energy systems, electric vehicles, industrial automation systems and other occasions where high

Feedback

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Configuration manual for industrial switch

The industrial switch configuration manual is a detailed guide that instructs users on how to correctly install, configure, and optimize industrial-grade switch equipment.

Company Profile

Learn more about Zhejiang Dongya Electronic Co., Ltd., a leading supplier of DC ContactorHigh & Low voltage, Relay, Shunt, Breaker and other high-quality products. Contact us to learn more about our

Chinese DC ContactorHigh & Low voltage & Relay supplier | Zhejiang ...

The products are mainly used in many fields as follows: household electrical appliances, computers, communication power, engineering machineries, and car air-conditioners, ships and many other

Contact Us

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