CATEGORY: METRO DC DISCONNECTOR

ZGW1-1.5/6000 DC Disconnector (6000A)

Reference URL: https://en.chuangwit.com/dc-disconnector/dc-6000a.html

1. Product Overview

ZGW1-1.5/6000 high-capacity DC disconnector for 1500V DC metro traction power, rated 6000A. Download Technical Datasheet (PDF) Technical Specifications | The ZGW1-1.5/6000 is a 1,500 V DC disconnector for electrical isolation in metro and urban rail traction power systems. Its listed rated current is 6,000 A. | Manual and motorized operating options are listed. Confirm the installation configuration, control interface and mounting dimensions for your project. | Frequently Asked Questions | What does the 6,000 A rating represent? | It is the listed rated current. Consult the model documentation for any separately declared making or breaking ratings and operating conditions. | Which technical documents should I request? | Request the model-specific datasheet and type test report to confirm applicable standards, installation conditions and permitted switching duty.

2. Published Technical Specifications & Parameters

Parameter	Published Value / Specification
Model	ZGW1-1.5/6000
Standard	Confirm the applicable standard and edition against the model-specific type test report.
Rated Voltage	1.5kV DC
Rated Current	6000A
Design Speed	N/A (fixed installation equipment)
Operating Temperature	-40 deg C to +70 deg C
Altitude	<= 4,000 m
Materials	Hot-dip galvanized steel structure and high-strength insulation
Installation	Mounted in traction substations or trackside boxes; motorized or manual operation
Rated Voltage	DC1500V
Rated Current	6000A (High Capacity)
Mounting	Outdoor Installation
Application Environment	Metro / Light Rail / Urban Rail High-Current DC Traction Power System

3. Operating Conditions

Long-term outdoor service in high-current metro DC environments from -40 deg C to +70 deg C, altitudes to 4,000 m.

4. Mechanical Performance

Heavy-duty galvanized steel frame and high-strength insulators rated for 6000A continuous current and frequent switching.

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5. Electrical Performance

Listed rated current: 6,000 A at 1,500 V DC. Confirm permitted switching duty and separately declared ratings with the model documentation.

6. Typical Applications

Metro Substations | High-current DC isolation at traction substations. | Heavy Corridors | 6000A capacity for heavily loaded DC sections. | Outdoor Service | Galvanized structure for open-air duty. | Cold Regions | Operation down to -40 deg C.

Engineering & Quality Compliance Notice

Manufactured under ISO 9001 and CRCC product certification rules where applicable. All values mirror published site specifications.
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