Burndy WCB23

Burndy WCB23 Wejtap Connector Instruction Manual

Model: WCB23

Introduction

This manual provides essential information for the safe and effective use of the Burndy WCB23 Wejtap Connector. Please read these instructions thoroughly before installation and operation to ensure proper application and to prevent potential hazards.

Product Overview

The Burndy WCB23 is a Wejtap connector designed for electrical applications. It is installed with a blue booster and is engineered to accommodate specific conductor diameters and tap sizes. This connector is suitable for various industrial and electrical installations.

- Wejtap connector installed with blue booster.
- Maximum diameter: 0.972 inches; Minimum diameter: 0.818 inches.
- Maximum run: 0.650 inches; Minimum run: 0.532 inches.
- Maximum tap: 0.330 inches; Minimum tap: 0.257 inches.

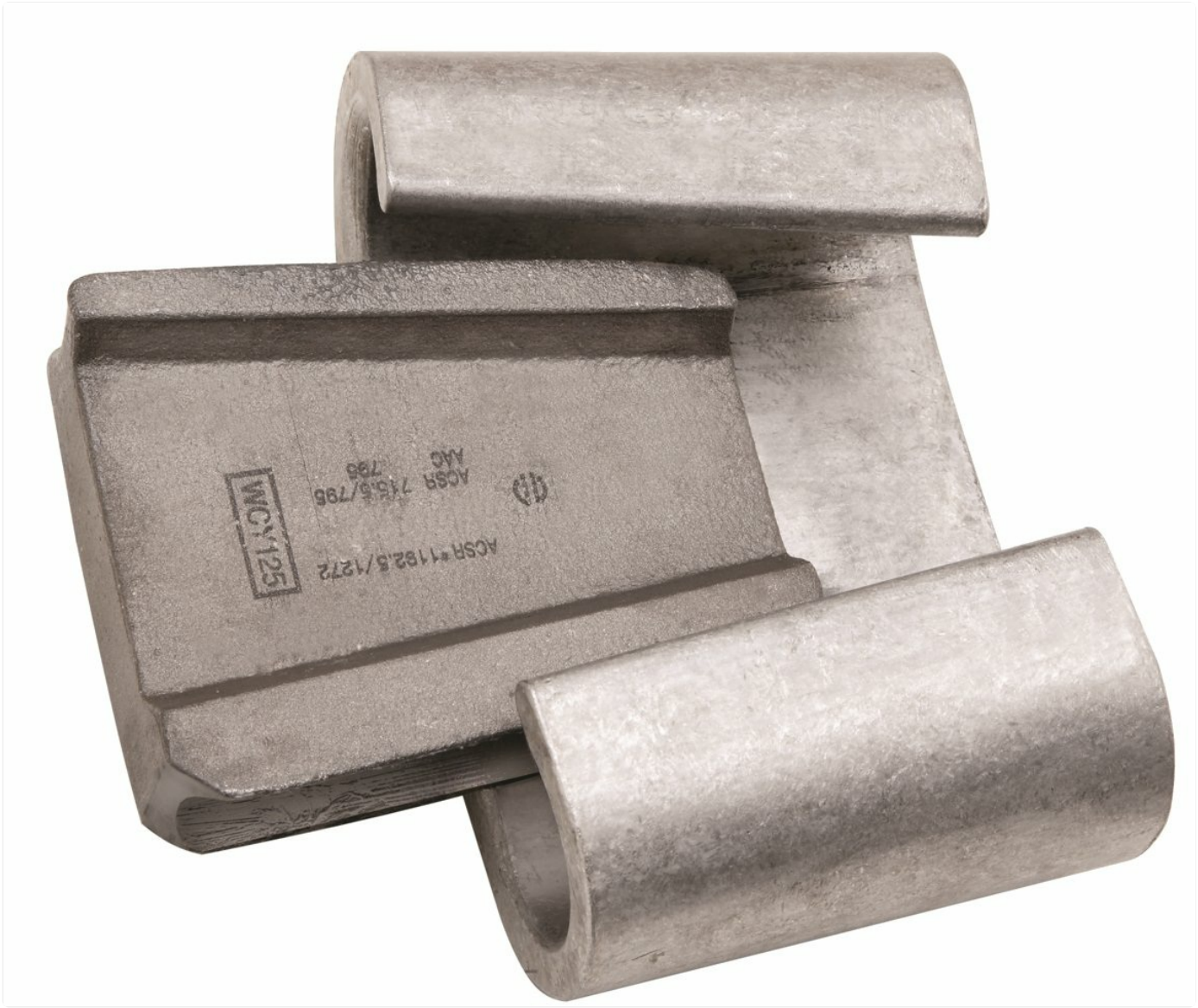


Figure 1: Components of the Burndy WCB23 Wejtap Connector. This image displays the primary components of the Burndy WCB23 Wejtap Connector. It features a central, rectangular metallic body with embossed markings, and two curved, C-shaped metallic sections. These components are designed to interlock for secure electrical connections.

Installation Guidelines

Proper installation is crucial for the performance and safety of the Burndy WCB23 Wejtap Connector. Always follow industry standards and local electrical codes.

1. **Safety First:** Ensure all power is disconnected from the circuit before beginning any installation work. Use appropriate personal protective equipment (PPE).
2. **Inspect Components:** Before installation, visually inspect the connector components for any signs of damage or defects. Do not use damaged connectors.
3. **Prepare Conductors:** Clean the conductor surfaces thoroughly to remove any oxidation, dirt, or grease. Ensure the conductors are within the specified diameter ranges for the WCB23 connector.
4. **Position Connector:** Place the main body of the Wejtap connector onto the run conductor.
5. **Insert Tap Conductor:** Insert the tap conductor into the designated slot of the connector.
6. **Secure Connection:** Use the appropriate installation tool (e.g., a hydraulic crimping tool) to properly compress the connector onto both the run and tap conductors. Refer to Burndy's specific tooling recommendations for the WCB23 model to achieve the correct compression.

7. **Verify Installation:** After compression, visually inspect the connection to ensure it is secure and that the connector is fully seated.

Note: For detailed installation procedures and tooling requirements, consult official Burndy technical documentation or a qualified electrician.

Maintenance

The Burndy WCB23 Wejtap Connector is designed for long-term reliability with minimal maintenance. However, periodic inspection is recommended to ensure continued performance and safety.

- **Visual Inspection:** Periodically inspect installed connectors for any signs of corrosion, physical damage, or loosening.
- **Environmental Factors:** In harsh environments, more frequent inspections may be necessary.
- **Cleaning:** If necessary, gently clean the exterior of the connector using a dry, non-abrasive cloth. Do not use solvents or harsh chemicals.

Troubleshooting

This section addresses common issues that may arise during or after the installation of the Burndy WCB23 Wejtap Connector.

Problem	Possible Cause	Solution
Connector does not fit conductor.	Incorrect conductor size; conductor not properly cleaned.	Verify conductor diameter against specifications. Clean conductor thoroughly.
Loose connection after installation.	Insufficient compression; incorrect tooling used.	Ensure proper crimping tool is used and full compression is achieved. Re-crimp if possible, or replace connector if damaged.
Signs of corrosion on connector.	Exposure to harsh environmental conditions; improper sealing.	Clean corrosion if minor. For significant corrosion, replace the connector and consider additional environmental protection.

If issues persist or you are unsure about a solution, contact a qualified electrician or Burndy technical support.

Specifications

Attribute	Value
Model Number	WCB23
Maximum Diameter	0.972 inches
Minimum Diameter	0.818 inches
Maximum Run	0.650 inches
Minimum Run	0.532 inches
Maximum Tap	0.330 inches

Attribute	Value
Minimum Tap	0.257 inches
Manufacturer	Burndy
Package Dimensions	12.7 x 7.4 x 5.2 inches
Item Weight	9.25 Pounds

Warranty and Support

For information regarding product warranty, technical support, or additional assistance, please contact Burndy directly through their official website or customer service channels. Keep your purchase receipt for warranty claims.

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