

Burndy KS20

BURNDY KS20 5STR SPLIT BOLT Connector Instruction Manual

Model: KS20

1. INTRODUCTION

This manual provides essential instructions for the safe and effective installation and use of the BURNDY KS20 5STR SPLIT BOLT Connector. Please read this manual thoroughly before installation and retain it for future reference.

2. SAFETY INFORMATION

WARNING: Electrical work should only be performed by qualified personnel. Failure to follow these instructions can result in electrical shock, fire, or serious injury.

- Always disconnect power before installing or servicing electrical connectors.
- Use appropriate personal protective equipment (PPE), including insulated gloves and eye protection.
- Ensure all connections are secure and meet local electrical codes.
- Do not exceed the specified wire gauge or current ratings for this connector.

3. PRODUCT OVERVIEW

The BURNDY KS20 is a split bolt connector designed for making reliable electrical connections between two or more conductors. It is commonly used in grounding, bonding, and tapping applications for copper conductors.



Figure 1: Front view of the BURNDY KS20 Split Bolt Connector. This image shows the main body of the connector with its threaded bolt and nut mechanism, designed for securing electrical wires.



Figure 2: Side view of the BURNDY KS20 Split Bolt Connector. This perspective highlights the robust construction and the opening where conductors are inserted before tightening.

4. SETUP AND INSTALLATION

1. **Prepare Conductors:** Strip the insulation from the ends of the conductors to be joined, ensuring sufficient bare wire length to fit within the connector's grooves. Clean the conductors if necessary.
2. **Insert Conductors:** Loosen the nut on the split bolt connector. Insert the primary conductor into one side of the split bolt and the secondary conductor (or tap wire) into the other side. Ensure both conductors are fully seated within the grooves.

- 3. **Tighten Connection:** Using an appropriate wrench, tighten the nut on the split bolt. Apply sufficient torque to ensure a secure, low-resistance connection. Refer to local electrical codes or manufacturer specifications for recommended torque values if available. Do not overtighten, as this can damage the conductors or the connector.
- 4. **Inspect Connection:** Visually inspect the connection to ensure conductors are firmly held and there are no exposed strands that could cause a short circuit.
- 5. **Insulate (if required):** If the connection is not in an insulated enclosure, apply appropriate electrical tape or heat shrink tubing to insulate the exposed connector and conductors.

5. OPERATING INSTRUCTIONS

Once properly installed, the BURNDY KS20 split bolt connector functions as a permanent electrical splice or tap. No further operational steps are required beyond ensuring the initial secure installation. The connector maintains electrical continuity between the joined conductors.

6. MAINTENANCE

The BURNDY KS20 split bolt connector is designed for maintenance-free operation once properly installed. Periodic visual inspection of the connection for signs of corrosion, overheating, or physical damage is recommended, especially in harsh environments. If any issues are observed, disconnect power and address them immediately.

7. TROUBLESHOOTING

Most issues related to split bolt connectors stem from improper installation.

- **Loose Connection:** If there is evidence of arcing or overheating, the connection may be loose. Disconnect power and re-tighten the nut to the appropriate torque.
- **Corrosion:** In corrosive environments, the connection may degrade over time. Ensure proper insulation and consider using connectors designed for such conditions. Clean and re-establish the connection if corrosion is present.
- **Incorrect Wire Gauge:** Using conductors outside the specified range for the KS20 can lead to poor contact or damage. Ensure the correct wire gauges are used.

8. SPECIFICATIONS

Feature	Detail
Manufacturer	BURNDY PRODUCTS
Part Number	KS20
Item Model Number	KS20
Product Dimensions	1 x 1 x 1 inches
Item Weight	0.01 ounces
Item Package Quantity	100
ASIN	B01D6OLENS

Feature	Detail
Date First Available	June 28, 2018

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding the BURNDY KS20 connector, please contact BURNDY PRODUCTS directly through their official website or customer service channels. Keep your purchase receipt for warranty claims.

Official BURNDY Website: www.burndy.com