

## IBXDUVJ LW26-25/1

# IBXDUVJ LW26-25/1 3-Position Rotary Main Switch Instruction Manual

Model: LW26-25/1 | Brand: IBXDUVJ

## 1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of the IBXDUVJ LW26-25/1 3-Position Rotary Main Switch. Please read this manual thoroughly before using the product and retain it for future reference. This switch is designed for universal transfer control and change-over applications in industrial electrical systems.

## 2. SAFETY INFORMATION

**WARNING: Electrical shock hazard. Installation and maintenance should only be performed by qualified personnel.**

- Always disconnect power before installing, servicing, or removing the switch.
- Ensure all wiring connections are secure and comply with local electrical codes.
- Do not exceed the specified rated current and voltage.
- Inspect the switch regularly for any signs of damage or wear.
- Use appropriate personal protective equipment (PPE) when working with electrical systems.

## 3. PRODUCT OVERVIEW

The IBXDUVJ LW26-25/1 is a robust 3-position rotary main switch designed for reliable control in various electrical applications. It features a durable construction and clear position indicators.

### 3.1 Key Features

- **3-Position Control:** Allows selection between three distinct states (e.g., OFF, ON-1, ON-2).

- **High Current Rating:** Rated for 25A, suitable for various power control applications.
- **High Voltage Rating:** Supports up to 690V.
- **Durable Construction:** Features silver alloy contacts and thickened copper parts for enhanced conductivity and longevity.
- **Universal Application:** Designed for general industrial transfer and change-over control.

## 3.2 Components and Views



**Figure 3.2.1:** Angled view of the IBXDTUVJ LW26-25/1 Rotary Main Switch. This image shows the front panel with positions '0', '1', and '2' clearly marked, and the black rotary handle. The blue rear housing is partially visible.



**Figure 3.2.2:** Front view of the rotary switch. This perspective highlights the square faceplate with position markings '1', '0', and '2', and the central black rotary knob.



**Figure 3.2.3:** Side view of the rotary switch, showing the black handle and the blue base. Certifications and model information are visible on the side of the base.



**Figure 3.2.4:** Bottom view of the rotary switch, displaying detailed electrical ratings and specifications printed on the blue housing, including voltage and current ratings for AC and DC applications.



**Figure 3.2.5:** Close-up view of the silver alloy contacts. These contacts are designed for low resistance, good conductivity, and resistance to arcing, high temperatures, and oxidation, contributing to a long operational life.



**Figure 3.2.6:** Internal view showing the thickened copper parts. These components are silver-plated for excellent conductivity and designed to prevent slipping, ensuring reliable electrical connections.

## 4. SPECIFICATIONS

Feature	Specification
Model Number	LW26-25/1
Rated Current	25A
Max. Voltage	690V
Pole Number	1 Pole
Positions	3 (e.g., 1-0-2)
Manufacturer	IBXDTUVJ
Package Dimensions	1.18 x 0.79 x 0.39 inches
Item Weight	1.76 ounces

## 5. INSTALLATION

Follow these steps for proper installation of the rotary switch. Ensure power is disconnected before beginning.

- Mounting:** Select a suitable mounting location on a control panel or enclosure. The switch is typically panel-mounted. Secure the switch using appropriate fasteners through the designated mounting holes.
- Wiring:**
  - Identify the input and output terminals. Refer to the wiring diagram (if provided with the physical product) for specific connections.
  - Connect the power supply wires to the input terminals.
  - Connect the load wires to the output terminals.
  - Ensure all connections are tight and secure to prevent loose contacts and overheating.
  - Use wire gauges appropriate for the 25A rated current.
- Verification:** After wiring, double-check all connections for correctness and security. Ensure no bare

wires are exposed.

4. **Power On:** Once installation is complete and verified, restore power to the circuit.

## 6. OPERATION

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The LW26-25/1 rotary switch provides three distinct positions for control. The positions are typically marked as '1', '0', and '2' on the faceplate.

- **Position '0':** This is typically the OFF or neutral position, disconnecting power from both outputs.
- **Position '1':** Selects the first circuit or power source.
- **Position '2':** Selects the second circuit or power source.

To operate, simply rotate the black handle to the desired position. The handle will click into place at each position, indicating a secure selection.

## 7. MAINTENANCE

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Regular maintenance ensures the longevity and reliable operation of your rotary switch.

- **Cleaning:** Keep the switch free from dust, dirt, and moisture. Use a dry, soft cloth for cleaning. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically inspect the switch for any signs of physical damage, loose connections, discoloration from overheating, or excessive wear on the contacts.
- **Terminal Tightness:** Over time, terminal screws can loosen. Periodically check and tighten all terminal connections, ensuring power is disconnected first.
- **Contact Wear:** While designed for durability, excessive arcing or frequent high-current switching can cause contact wear. If the switch exhibits inconsistent operation or excessive heat, it may require replacement.

## 8. TROUBLESHOOTING

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If you encounter issues with your rotary switch, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Switch does not operate (no power to load)	No input power; Loose wiring; Internal damage	Check circuit breaker/fuse; Verify input power; Tighten all connections; Replace switch if damaged.
Switch feels stiff or difficult to turn	Accumulated dirt/debris; Internal mechanism issue	Clean the switch exterior; If problem persists, replace the switch.
Overheating or burning smell	Overload; Loose connections; Internal short circuit	Immediately disconnect power. Check load current; Tighten connections; Replace switch.
Inconsistent contact or flickering power	Worn contacts; Loose internal components	Replace the switch.

If troubleshooting steps do not resolve the issue, contact a qualified electrician or the manufacturer for assistance.

## 9. WARRANTY AND SUPPORT

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For warranty information or technical support regarding your IBXDTUVJ LW26-25/1 Rotary Main Switch, please refer to the documentation provided at the time of purchase or contact your vendor. Keep your purchase receipt as proof of purchase.