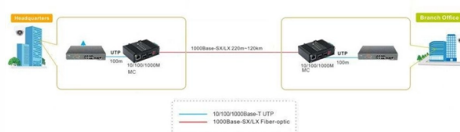


RIVO MULTITRADE OPTICAL SYSTEMS

Which terminal box is indicated by this light



Overview

Terminal box with build-in light emitting indicator diode forIn case of defects the light emitting diode is switched off. The terminal box in this way indi.

Key Takeaways

Indicator lights correspond to specific terminal boxes based on wiring diagrams, terminal labeling, and IEC-compliant identification standards.Understanding Indicator Lights

Indicator lights on electrical panels or machinery are designed to show the status of a circuit, device, or terminal box. They can indicate power presence, fault conditions, or operational status. The light itself does not inherently identify a terminal box; instead, it is connected to a specific circuit or terminal that is documented in the wiring diagram .

Using Wiring Diagrams

To determine which terminal box a light corresponds to:

- Locate the light symbol on the wiring diagram. Light symbols are typically represented as a circle with a filament or a simple lamp icon .
- Trace the wiring from the light symbol to the terminal connections. Diagrams often show the exact terminal numbers or labels where the light is connected.

- Check for annotations such as input/output designations, voltage, or phase, which help identify the correct terminal box .

Terminal Identification Standards

IEC 60446 provides a standardized method for labeling terminals and conductors:

- Terminals are labeled by function (input/output), polarity, voltage, or phase .
- Color codes and symbols are used to ensure consistent identification across panels and equipment.
- Documentation and schematics should always reference these labels, allowing you to match an indicator light to its corresponding terminal box safely and efficiently .

Practical Steps

- Consult the panel legend or schematic: Every panel should have a legend showing which lights correspond to which terminals.
- Verify terminal labels physically: Terminal boxes often have engraved or printed labels matching the schematic.
- Use a multimeter if necessary: Confirm voltage or continuity between the light and the suspected terminal box to ensure correct identification. By combining wiring diagrams, IEC-compliant labeling, and physical verification, you can accurately determine which terminal box is indicated by a specific light .

Article Content

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

