ABB OHYS2PJ

ABB OHYS2PJ Selector Handle User Manual

For Use with OT16-32FT Disconnector Switches

1. Product Overview

The ABB OHYS2PJ Selector Handle is a robust and reliable component designed for seamless integration with ABB OT16-32FT disconnector switches. This handle provides a clear and intuitive interface for controlling electrical circuits, enhancing safety and operational efficiency in various industrial applications. Its distinct red and yellow coloring ensures high visibility and quick status identification.



Image showing the ABB OHYS2PJ Selector Handle, highlighting its distinct red and yellow color scheme and robust construction, as typically received in its protective packaging.

2. Safety Information

WARNING: Electrical shock hazard. Installation and maintenance should only be performed by qualified and authorized personnel. Always ensure that power is disconnected and locked out before beginning any work on electrical equipment.

- Read and understand all instructions before installing or operating the device.
- Adhere to all local and national electrical codes and regulations.
- Do not operate the handle if it appears damaged or is not functioning correctly.
- Ensure proper grounding where applicable.

3. Package Contents

The package typically includes:

- 1 x ABB OHYS2PJ Selector Handle

Please inspect the package upon receipt to ensure all components are present and undamaged.



Close-up view of the product packaging label for the ABB OHYS2PJ Selector Handle, confirming the model number OHYS2PJ, manufacturing details, and country of origin (Made in Finland).

4. Installation

The OHYS2PJ selector handle is specifically designed for secure mounting onto compatible ABB OT16-32FT disconnector switches. Follow these general steps for installation:

1. **Power Disconnection:** Ensure all power to the disconnector switch is completely disconnected and verified using appropriate lockout/tagout procedures.
2. **Mounting:** Align the selector handle with the shaft of the OT16-32FT disconnector switch. The handle is designed for precise fitment.
3. **Securing:** Secure the handle firmly to the disconnector switch using the provided or recommended fastening mechanism. Ensure all screw terminals are tightened to the manufacturer's specifications.
4. **Environmental Rating:** This handle is rated for NEMA 1, 3R, 12, and IP65 environments, indicating protection against dust, splashing water, and hose-directed water. Ensure the installation environment is within these specifications.
5. **Verification:** After installation, manually test the handle's movement to ensure smooth and unobstructed rotation.

Refer to the specific installation guide for your OT16-32FT disconnector switch for detailed wiring diagrams and mounting instructions, as the handle's function is dependent on the switch's proper installation.

5. Operation

The ABB OHYS2PJ Selector Handle features an intuitive 'OFF-NONE-ON' operation mode, providing clear indication of the circuit's status. To operate:

- **OFF Position:** Rotate the handle to the 'OFF' position to ensure the disconnector switch is open, interrupting the electrical circuit.
- **ON Position:** Rotate the handle to the 'ON' position to close the disconnector switch, completing the electrical circuit.
- **Intermediate Position (NONE):** An intermediate position may exist depending on the specific disconnector switch configuration, indicating a neutral or non-engaged state.

The red/yellow color scheme of the handle provides high visibility, allowing for quick and easy identification of the switch's operational state from a distance.

6. Maintenance

The ABB OHYS2PJ Selector Handle is designed for durability and requires minimal maintenance. However, regular inspection can help ensure its longevity and reliable performance:

- **Visual Inspection:** Periodically inspect the handle for any signs of physical damage, cracks, discoloration, or excessive wear.
- **Cleaning:** Keep the handle clean and free from dust, dirt, and debris. Use a soft, dry cloth for cleaning. Do not use abrasive cleaners, solvents, or harsh chemicals, as these may damage the material or finish.
- **Fastening Check:** Ensure that the handle remains securely fastened to the disconnector switch. Re-tighten any loose screws if necessary, adhering to recommended torque specifications.
- **No User-Serviceable Parts:** The handle contains no internal user-serviceable parts. Do not attempt to disassemble it.

7. Troubleshooting

If you encounter issues with the ABB OHYS2PJ Selector Handle, consider the following troubleshooting steps:

- **Handle Not Rotating Smoothly:** Check for any obstructions around the handle or the disconnector switch shaft. Ensure the handle is correctly aligned and not binding.
- **Switch Not Responding:** Verify that the handle is securely attached to the disconnector switch. Ensure the disconnector switch itself is properly installed and wired according to its manual.
- **Physical Damage:** If the handle is cracked, broken, or severely worn, it should be replaced immediately to ensure safe operation.

For persistent issues or complex problems, it is recommended to consult a qualified electrician or contact ABB technical support for assistance.

8. Specifications

Attribute	Value
Brand	ABB
Model Number	OHYS2PJ
Suitable For Use With	OT16 - 32FT Disconnector Switches
Color	Red/Yellow
Dimensions (H x W x D)	65 mm x 65 mm x 60 mm (2.56 x 2.56 x 2.36 inches)
NEMA/IP Rating	NEMA 1, 3R, 12, IP65
Operation Mode	OFF-NONE-ON
Actuator Type	Selector Handle
Material	Copper, Brass (Contact Material)
Manufacturer	ABB Group
Date First Available	March 29, 2016

9. Warranty and Support

For detailed warranty information, technical support, and additional product resources, please refer to the official ABB website. You may also find support and product information through the ABB Store on Amazon or by contacting your authorized ABB distributor.
Always ensure you have the product model number (OHYS2PJ) and purchase details available when seeking support.

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