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› Bosch Professional VDE Screwdriver PH2x125 Instruction Manual

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Model: PH2x125 | Part Number: 1600A02NB9

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Bosch Professional VDE Screwdriver PH2x125. This tool is designed for professional use in electrical installations and other applications requiring insulated tools. Please read these instructions carefully before use and retain them for future reference.





Image 1.1: The Bosch Professional VDE Screwdriver PH2x125, showcasing its insulated handle and shaft.

2. SAFETY INFORMATION

WARNING: Always prioritize safety when working with electrical components. Failure to follow these safety instructions may result in serious injury or death.

- This VDE screwdriver is certified up to 1000 V according to DIN EN/IEC 60900, ensuring safe operation within this voltage limit.
- Always verify that the power supply is disconnected before working on electrical circuits.
- Inspect the screwdriver for any signs of damage to the insulation before each use. Do not use if the insulation is cracked, cut, or otherwise compromised.
- Do not expose the screwdriver to extreme temperatures or chemicals that could degrade the insulation material.

- Use the correct size and type of screwdriver tip for the fastener to prevent damage to the fastener or the tool.



Image 2.1: The DIN EN/IEC 60900 certification logo, indicating compliance with international standards for insulated hand tools.

3. PRODUCT FEATURES

The Bosch Professional VDE Screwdriver PH2x125 is engineered for precision and durability, offering enhanced safety for electrical work.

- **VDE Certified:** Tested up to 10,000 volts and VDE certified up to 1,000 volts according to DIN EN/IEC 60900 for safe electrical work.
- **Insulated Design:** Features an S2 blade with an insulating protective coating and a handle insulated with Thermoplastic Elastomer (TPE).
- **Precise and Durable Tip:** The slim shaft and robust tip ensure precise engagement with fasteners.
- **Ergonomic Handle:** Soft handle and superior ergonomic design provide comfort and reduce hand fatigue during prolonged use.
- **Phillips Head (PH2):** Specifically designed for PH2 Phillips head screws.



Image 3.1: Icon representing the Phillips head (PH2) type of the screwdriver.

4. SETUP

The Bosch Professional VDE Screwdriver PH2x125 requires no assembly or complex setup. It is ready for use directly out of the packaging.

1. **Unpack:** Carefully remove the screwdriver from its packaging.
2. **Inspect:** Before first use, and prior to every subsequent use, visually inspect the entire screwdriver for any signs of damage, especially to the red and yellow insulation. Ensure there are no cracks, cuts, or abrasions on the insulated parts.
3. **Verify Tip:** Confirm that the PH2 tip is appropriate for the screws you intend to work with.

5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your VDE screwdriver:

1. **Ensure Safety:** Always confirm that the electrical circuit is de-energized before beginning any work. Use appropriate lockout/tagout procedures if necessary.
2. **Select Correct Tip:** Match the PH2 tip of the screwdriver to the corresponding Phillips head screw. An incorrect tip size can damage the screw head or the screwdriver.

3. **Apply Pressure:** Place the screwdriver tip firmly into the screw head. Apply steady, downward pressure to prevent cam-out (the tip slipping out of the screw head).
4. **Turn:** Rotate the screwdriver clockwise to tighten screws or counter-clockwise to loosen them. Maintain firm pressure and a straight alignment with the screw.
5. **Avoid Over-tightening:** Tighten screws until snug. Over-tightening can strip screw threads or damage the material.



Image 5.1: Demonstrating the proper use of the VDE screwdriver in an electrical panel, emphasizing safe handling.

6. MAINTENANCE

Proper maintenance ensures the longevity and continued safety of your VDE screwdriver.

- **Cleaning:** Wipe the screwdriver clean with a dry or slightly damp cloth after each use. Do not use harsh chemicals or abrasive cleaners that could damage the insulation.
- **Storage:** Store the screwdriver in a dry place, away from direct sunlight and extreme temperatures. Protect the tip from damage.
- **Regular Inspection:** Periodically inspect the insulation for any signs of wear, cracks, or damage. If any damage is observed, the tool's insulation integrity may be compromised, and it should be replaced immediately to ensure safety.

7. TROUBLESHOOTING

The Bosch Professional VDE Screwdriver PH2x125 is a simple hand tool and typically does not require complex troubleshooting. Most issues arise from improper use.

- **Screw Head Stripping:** This usually occurs due to using the wrong size tip, insufficient downward pressure, or excessive torque. Ensure the PH2 tip fits snugly and apply firm, consistent pressure.
- **Screwdriver Tip Damage:** Can result from using the screwdriver as a pry bar, chisel, or striking tool. Use the tool only

for its intended purpose.

- **Insulation Damage:** If the insulation is damaged, the tool is no longer safe for electrical work and must be replaced. Do not attempt to repair damaged insulation.

8. SPECIFICATIONS

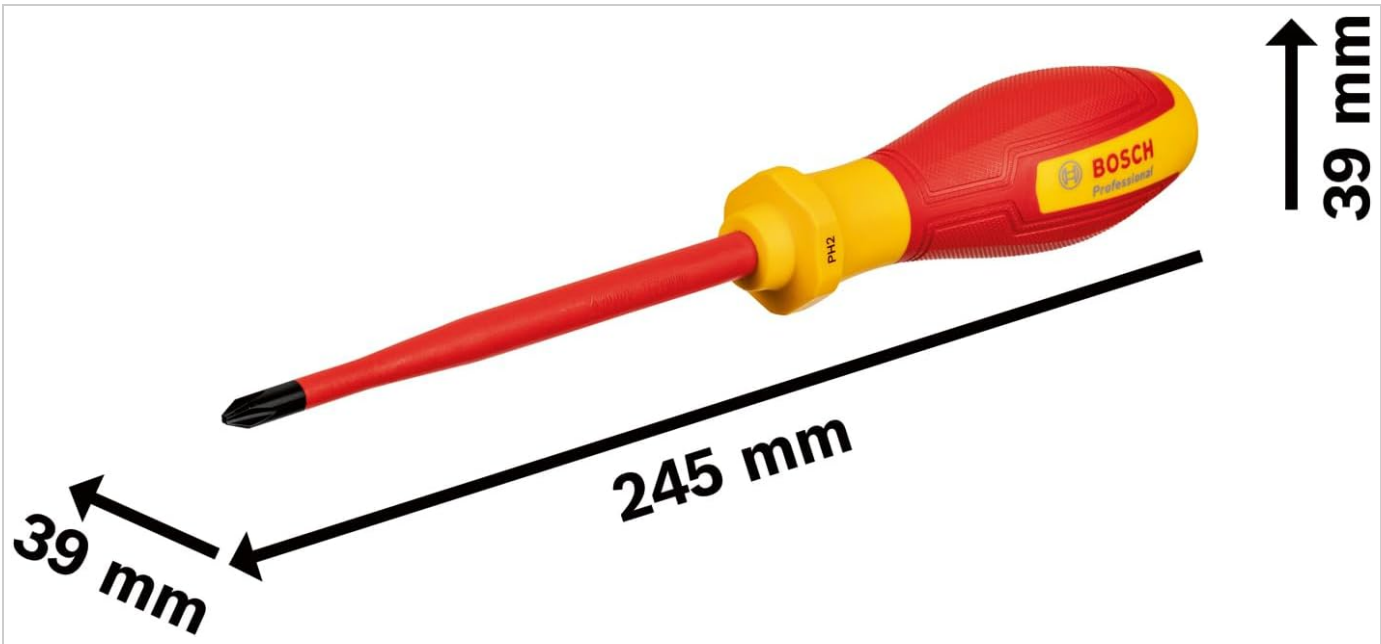


Image 8.1: Diagram showing the dimensions of the Bosch Professional VDE Screwdriver PH2x125.

Specification	Detail
Brand	Bosch Professional
Model Name	VDE Screwdriver PH2 x 125mm
Model Number	1600A02NB9
Head Style	Phillips (PH2)
Blade Length	125 mm
Insulation Rating	Certified up to 1000 V (DIN EN/IEC 60900)
Material	Metal (S2 steel blade), Thermoplastic Rubber (TPE handle)
Color	Red / Yellow
Item Dimensions	12.09 x 2.48 x 1.52 inches (approx. 245 mm total length)
Item Weight	0.11 Kilograms
Recommended Uses	Electrical installation, machine repair, furniture assembly

9. WARRANTY AND SUPPORT

Bosch Professional tools are known for their quality and reliability. While specific warranty details may vary by region and retailer, Bosch Professional stands behind its products.

- For warranty claims or technical support, please refer to the documentation provided with your purchase or visit the official Bosch Professional website.
- Ensure you retain your proof of purchase for any warranty-related inquiries.

For further assistance, please contact Bosch Professional customer service.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Example: How do I reset this device or fix this error?

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Model number, symptoms, what you tried, or the section of the manual you are using.

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