

## ABSINA 501050

# ABSINA Surface-Mounted Socket and Switch Combination User Manual

Model: 501050

## 1. PRODUCT OVERVIEW

The ABSINA Surface-Mounted Socket and Switch Combination (Model 501050) is designed for reliable electrical installations in environments requiring protection against splashing water. This unit integrates a 16A Schuko socket and a 10A switch, making it ideal for various applications in damp rooms or protected outdoor areas. Its robust thermoplastic housing ensures durability and safety.



Image 1.1: Front view of the ABSINA Surface-Mounted Socket and Switch Combination.

## 2. KEY FEATURES

- **Simple Installation:** Features a removable interior, ample wiring space, and terminal connections for cable cross-sections up to 2.5mm<sup>2</sup>, ensuring quick and easy setup.
- **IP44 Protection Class:** The socket is protected against splashing water (IP44), and the switch offers IP54 protection, making the unit suitable for damp rooms or protected outdoor use.
- **Integrated Safety:** Equipped with plastic shutters that close the socket contacts for enhanced safety.
- **Durable Construction:** Made from robust thermoplastic material for long-lasting performance.
- **Versatile Application:** Ideal for basements, laundry rooms, garages, boiler rooms, workshops, or protected outdoor areas.

# SCHUTZKLASSE IP54

Effektiver Schutz vor Staub und Spritzwasser



Image 2.1: Illustration of IP54 protection, indicating effective protection against dust and splashing water for the switch component.

# MIT SCHUTZKAPPE



Image 2.2: The socket features a hinged protective cap to shield against water and dust when not in use.

# MIT WECHSELSCHALTER



Image 2.3: The integrated switch functions as a changeover switch for controlling connected devices.

### 3. TECHNICAL SPECIFICATIONS

Attribute	Specification
Model Number	501050
Dimensions (L x W x H)	15.5 x 6.5 x 5.5 cm
Weight	210 grams
Material	Plastic (Thermoplastic)
Operating Voltage	250 V AC
Socket Amperage	16 A
Switch Amperage	10 A

Socket Type	Schuko
Protection Class (Socket)	IP44
Protection Class (Switch)	IP54
Cable Entries	2
Max. Cable Cross-Section	2.5mm <sup>2</sup>
Color	Grey



Image 3.1: Detailed dimensions of the unit, including the maximum cable cross-section of 15mm diameter.



## Robustes Thermoplast-Gehäuse



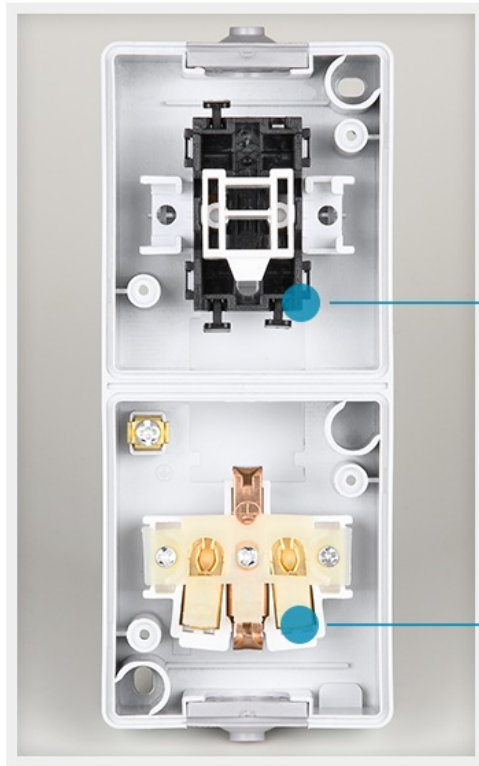
Image 3.2: The rear view highlights the robust thermoplastic housing, designed for durability and secure mounting.

## 4. INSTALLATION AND SETUP

**WARNING: Electrical installation should only be performed by qualified personnel. Always disconnect power at the main circuit breaker before beginning any electrical work.**

### 4.1. Wiring Instructions

1. Ensure the power supply is OFF.
2. Open the housing by carefully detaching the front cover. The interior is removable for easier access.
3. Feed the electrical cables through the designated cable entries.
4. Connect the wires to the terminal blocks. Ensure correct polarity (Live, Neutral, Earth) and secure all connections firmly. The large wiring space facilitates this process.
5. Verify all connections are tight and no bare wires are exposed.



Viel Platz für ideale Verdrahtung

**Klemmanschluss**  
schnelle & einfache  
Installation

Image 4.1: Internal view showing ample space for wiring and the terminal connections for quick and easy installation.

## 4.2. Mounting

1. Once wiring is complete and verified, position the unit on the desired surface.
2. Mark the drilling points through the mounting holes on the back of the housing.
3. Drill appropriate holes and insert wall plugs if necessary.
4. Secure the unit to the surface using suitable screws.
5. Carefully reattach the front cover, ensuring it clicks securely into place to maintain the IP rating.
6. Restore power to the circuit.

## 5. OPERATING INSTRUCTIONS

The ABSINA combination unit is straightforward to operate:

- **Socket Operation:** To use the socket, lift the hinged protective cap. Insert the plug of your electrical appliance into the Schuko socket. Ensure the cap is closed when the socket is not in use to maintain its IP44 protection.
- **Switch Operation:** The integrated switch controls the power supply to a connected circuit or device. Press the rocker switch to toggle between ON and OFF positions.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your ABSINA unit:

- **Cleaning:** Clean the exterior of the unit periodically with a soft, damp cloth. Do not use abrasive cleaners or



solvents. Ensure the protective cap is clean and free of debris to maintain its seal.

- **Inspection:** Annually inspect the unit for any signs of damage, cracks, or loose connections. Check the integrity of the protective cap and cable entries. If any damage is found, disconnect power and have the unit inspected or replaced by a qualified electrician.
- **Environmental Protection:** For outdoor installations, ensure the unit remains in a protected area as per its IP44 rating (e.g., under an overhang or within an enclosure).

## 7. TROUBLESHOOTING

If you encounter issues with your ABSINA unit, refer to the table below for common problems and solutions:

Problem	Possible Cause	Solution
No power from socket	Circuit breaker tripped; Loose wiring connection; Faulty appliance	Check circuit breaker; Verify wiring (power off first); Test with another appliance
Switch does not operate	No power to the unit; Internal switch fault	Check power supply; If power is present, consult a qualified electrician for inspection
Water ingress observed	Protective cap not closed properly; Damaged housing or seal; Unit exposed to direct water jets (exceeds IP44)	Ensure cap is fully closed; Inspect for damage and replace if necessary; Relocate unit to a more protected area
Unit feels warm	Overload; Loose connection	Reduce load on the circuit; Disconnect power and check wiring connections

If the problem persists after attempting these solutions, please contact a qualified electrician or ABSINA customer support.

## 8. RECOMMENDED APPLICATION AREAS

This ABSINA combination unit is specifically designed for environments where protection against moisture and dust is required. Its robust construction and IP ratings make it suitable for:

- **Basements:** For general power and lighting control.
- **Laundry Rooms:** Safe operation near washing machines and dryers.
- **Garages:** Powering tools and lighting in a workshop environment.
- **Boiler Rooms:** Reliable electrical access in utility spaces.
- **Workshops:** Providing protected power for various tasks.
- **Protected Outdoor Areas:** Such as covered patios, sheds, or carports, where the unit is not directly exposed to heavy rain or water jets.

# ANWENDUNGSBEREICHE



Image 8.1: Visual representation of suitable application areas including garden, outdoor (protected), and indoor damp environments.

## 9. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or spare parts availability, please contact ABSINA GmbH directly. Contact details can typically be found on the product packaging or the official ABSINA website. Please have your model number (501050) ready when contacting support.

