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> Square D H362 Heavy Duty Safety Switch User Manual

## Square D H362

# Square D H362 Heavy Duty Safety Switch User Manual

Model: H362 | 60A, 600V, 3-Phase, NEMA 1, Fused

## 1. INTRODUCTION

This manual provides essential information for the safe installation, operation, and maintenance of the Square D H362 Heavy Duty Safety Switch. This device is designed to provide a means of manually opening and closing a circuit, and to provide overcurrent protection when equipped with appropriate fuses. It is crucial to read and understand all instructions before attempting any work with this equipment.

## 2. SAFETY INFORMATION

### **DANGER: HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH**

- Only qualified personnel should install, operate, service, and maintain this equipment.
- Turn off all power supplying this equipment before working on or inside equipment.
- Always use a properly rated voltage sensing device to confirm power is off.
- Replace all devices, doors, and covers before turning on power to this equipment.
- Failure to follow these instructions will result in death or serious injury.

Adhere to all local and national electrical codes. Always wear appropriate Personal Protective Equipment (PPE) when working with electrical systems.

## 3. PRODUCT OVERVIEW

The Square D H362 is a heavy-duty, fused safety switch designed for industrial and commercial applications. It features a robust enclosure and a visible blade design for clear indication of switch status. The switch is rated for 60 Amps, 600 Volts AC/DC, 3-Phase, and comes in a NEMA 1 enclosure suitable for indoor use.



Figure 1: Square D H362 Heavy Duty Safety Switch. This image displays the gray metal enclosure of the safety switch with its red and black operating handle in the "ON" position. A warning label is visible on the front cover, indicating "HEAVY DUTY SAFETY SWITCH" and "DANGER/PELIGRO" along with electrical ratings.

Key features include:

- Heavy-duty construction for demanding environments.

- Fused protection for overcurrent conditions.
- Manual operation with a clear ON/OFF indicator.
- NEMA 1 enclosure for indoor applications.

## 4. SETUP AND INSTALLATION

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**WARNING: Installation must be performed by a qualified electrician in accordance with all applicable electrical codes and standards.**

1. **Mounting:** Securely mount the safety switch to a rigid, non-combustible surface using appropriate hardware. Ensure adequate clearance for wiring and operation of the handle.
2. **Wiring:**
  - Ensure all power to the circuit is OFF and verified with a voltage tester.
  - Connect incoming power conductors to the line terminals and outgoing load conductors to the load terminals.
  - Properly ground the enclosure according to local electrical codes.
  - Ensure all connections are tight and secure.
3. **Fuse Installation:**
  - With the switch in the OFF position and power disconnected, open the enclosure door.
  - Install the correct type and rating of fuses (e.g., Class H, K, R, J, or L, as specified by the application and local codes) into the fuse clips. The H362 is designed for 60A fuses.
  - Ensure fuses are seated firmly.
4. **Enclosure Closure:** Close and secure the enclosure door.

## 5. OPERATING INSTRUCTIONS

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The Square D H362 safety switch is manually operated via the external handle.

- **To Turn ON:** Move the operating handle fully upwards until it locks into the "ON" position. The indicator on the switch will show "ON".
- **To Turn OFF:** Move the operating handle fully downwards until it locks into the "OFF" position. The indicator on the switch will show "OFF".

*Always ensure the handle is fully engaged in either the ON or OFF position to prevent arcing and potential damage.*

## 6. MAINTENANCE

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**DANGER: Ensure all power is OFF and verified before performing any maintenance.**

Regular maintenance helps ensure the longevity and safe operation of the safety switch. Perform these checks periodically:

- **Visual Inspection:** Check for any signs of physical damage, corrosion, loose connections, or overheating (discoloration).
- **Cleanliness:** Keep the enclosure clean and free from dust, dirt, and moisture.
- **Fuse Check:** If a circuit trips, identify and replace blown fuses with fuses of the correct type and rating. Never bypass a fuse.
- **Handle Operation:** Verify that the operating handle moves freely and locks securely in both the ON and OFF positions.

## 7. TROUBLESHOOTING

This section addresses common issues. For complex problems, contact a qualified electrician.

| Problem                           | Possible Cause                                                             | Solution                                                                                                                                        |
|-----------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Switch does not turn ON.          | Blown fuse(s).<br>Loose wiring connection.<br>Interlock mechanism engaged. | Check and replace blown fuses.<br>Inspect and tighten all wiring connections (with power OFF).<br>Ensure enclosure door is fully closed.        |
| No power to load.                 | Switch in OFF position.<br>Blown fuse(s).<br>Upstream power issue.         | Move handle to ON position.<br>Check and replace blown fuses.<br>Verify power supply to the switch.                                             |
| Switch handle is stiff or jammed. | Debris in mechanism.<br>Internal damage.                                   | With power OFF, inspect for obstructions and carefully remove.<br>If problem persists, contact a qualified technician. Do not force the handle. |

## 8. SPECIFICATIONS

| Attribute                      | Value                  |
|--------------------------------|------------------------|
| Brand                          | Square D               |
| Model                          | H362                   |
| Current Rating                 | 60 Amps                |
| Operating Voltage              | 600 Volts (AC/DC)      |
| Circuit Type                   | 3-way (3-Phase)        |
| Enclosure Type                 | NEMA 1 (Indoor)        |
| Operation Mode                 | Manual                 |
| Contact Type                   | Normally Open          |
| Connector Type                 | Blade Terminals        |
| Actuator Type                  | Hinge Lever            |
| Product Dimensions (L x W x H) | 11 x 7.3 x 19.8 inches |
| Weight                         | 16 Pounds              |

## 9. WARRANTY AND SUPPORT

Square D products are manufactured to high-quality standards. For specific warranty information, please refer to the documentation provided with your purchase or visit the official Square D website. For technical support, service, or replacement parts, please contact Square D customer service or an authorized distributor.

**Manufacturer:** SQUARE D

**Website:** [www.se.com/us/en/brands/squared/](http://www.se.com/us/en/brands/squared/) (Example link, actual link may vary)

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