

## Schneider Electric L211N

# Schneider Electric Square D L211N

## 30 AMP 120/240-VOLT TWO-POLE INDOOR FUSIBLE SAFETY SWITCH

### User Manual

## 1. Introduction

This manual provides essential information for the safe installation, operation, and maintenance of the Schneider Electric Square D L211N 30 Amp 120/240-Volt Two-Pole Indoor Fusible Safety Switch. Please read this manual thoroughly before attempting any installation or operation to ensure proper use and to prevent personal injury or equipment damage.

The Square D L211N is designed for indoor light-duty applications, providing a reliable means to manually disconnect power to a circuit. It features a two-pole design with a neutral connection and requires fuses for overcurrent protection.

## 2. Safety Information

**WARNING: Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.**

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

- Apply appropriate personal protective equipment (PPE) and follow safe electrical work practices. Refer to NFPA 70E.
- This equipment must only be installed and serviced by qualified electrical personnel.
- Never operate an energized switch with the door open or not securely fastened.
- Turn off the switch before removing or installing fuses or making load-side or line-side connections.
- Always use a properly rated voltage sensing device to confirm the line and load fuse clips to confirm the switch is off.
- Turn off power supplying the switch before doing any work on or inside the switch.
- Do not use removable link fuses in fused switches.

**Failure to follow these instructions will result in death or serious injury.**

## CALIFORNIA PROPOSITION 65 WARNING

This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Always ensure the main power source is disconnected and locked out before performing any work on the safety switch.

### 3. Product Overview

The Square D L211N is a robust, indoor-rated fusible safety switch designed for light-duty electrical applications. It provides a visible blade disconnect, ensuring that power is clearly interrupted when the switch is in the OFF position. The gray enclosure offers protection for the internal components.



Figure 1: Front view of the Square D L211N 30 Amp Fusible Safety Switch. This image shows the gray enclosure, the

operating handle in the 'ON' position, and the visible 'ON' and 'OFF' indicators.



Figure 2: Close-up front view of the Square D L211N safety switch. This image highlights the detailed warning labels in English and Spanish, emphasizing electrical safety precautions.

## 4. Setup and Installation

Installation of this safety switch must be performed by a qualified electrician in accordance with all national and local electrical codes.

### 4.1 Mounting

1. Select a suitable indoor location for mounting, ensuring it is easily accessible and free from moisture or excessive dust.
2. Use appropriate hardware to securely mount the switch to a rigid surface. The back panel of the enclosure features keyhole slots for mounting.



**Figure 3:** Back view of the Square D L221N safety switch. This image illustrates the keyhole mounting points on the rear of the enclosure, designed for secure installation.

#### 4.2 Wiring

1. Ensure all power to the circuit is OFF at the main service panel before beginning any wiring.
2. Open the switch enclosure door.
3. Connect the incoming line wires to the designated line terminals and the outgoing load wires to the load terminals. Ensure proper polarity and secure all connections.

4. Connect the neutral wire to the neutral terminal.
5. Install the correctly rated fuses (30 Amp) into the fuse holders. Refer to the product specifications for fuse type.
6. Close and secure the enclosure door.

## 5. Operating Instructions

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The safety switch is operated by a handle on the side of the enclosure.



**Figure 4:** Side view of the Square D L211N safety switch. This image displays the robust operating handle used to switch the power ON or OFF.

### 5.1 Turning ON the Power

Move the operating handle upwards until it clicks into the 'ON' position. The indicator on the front of the switch will show 'ON'.

## 5.2 Turning OFF the Power

Move the operating handle downwards until it clicks into the 'OFF' position. The indicator on the front of the switch will show 'OFF'. This action disconnects power to the load.

## 5.3 Fuse Replacement

Always turn the switch to the 'OFF' position and verify power is disconnected before opening the enclosure to replace fuses. Use only fuses of the correct type and rating (30 Amp).

## 6. Maintenance

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Regular maintenance ensures the longevity and safe operation of your safety switch.

- **Periodic Inspection:** Annually inspect the switch for any signs of physical damage, corrosion, or loose connections.
- **Cleaning:** Keep the exterior of the enclosure clean and free of dust and debris. Do not use abrasive cleaners.
- **Terminal Tightness:** Periodically check and tighten all electrical connections to prevent overheating and arcing. Ensure power is off before checking terminals.

## 7. Troubleshooting

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If the safety switch is not functioning as expected, consider the following common issues:

- **No Power to Load:**
  - Check if the switch handle is fully in the 'ON' position.
  - Verify that the fuses are intact and not blown. Replace any blown fuses with the correct type and rating after ensuring the switch is OFF.
  - Confirm that the main power supply to the switch is active.
- **Switch Handle Does Not Stay ON:**
  - This may indicate an internal fault or a severe overload condition. Do not force the handle. Consult a qualified electrician.
- **Overheating:**
  - If the enclosure feels hot, immediately turn off the power. This could be due to loose connections, an overloaded circuit, or incorrect fuse sizing. Have a qualified electrician inspect the installation.

For issues not resolved by these steps, contact a qualified electrician or Schneider Electric customer support.

## 8. Specifications

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Feature	Specification
Model Number	L211N

Feature	Specification
Brand	Schneider Electric (Square D)
Current Rating	30 Amps
Voltage Rating	120/240 Volts
Number of Poles	Two-Pole
Operation Mode	OFF-NONE-ON
Enclosure Type	Indoor, Light Duty
Wattage	7200 watts
Item Dimensions (L x W x H)	5 x 8 x 6 inches
Item Weight	3 pounds
Color	Gray
Contact Type	Normally Closed
Mounting Type	DIN Rail (Note: Product images show keyhole mounting, DIN Rail may be an alternative or internal component mounting)
UPC	785901090526

## 9. Warranty and Support

For warranty information and customer support, please refer to the official Schneider Electric website or contact their customer service department. Keep your purchase receipt for warranty claims.

This product was first available on November 3, 2005.