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SCHNEIDER ELECTRIC VC5GUN

SCHNEIDER ELECTRIC VC5GUN Enclosed Switch 100 A User Manual

Model: VC5GUN | Brand: SCHNEIDER ELECTRIC

INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of the SCHNEIDER ELECTRIC VC5GUN 100 A Enclosed Switch. Please read this manual thoroughly before attempting to install or operate the device. Retain this manual for future reference.

SAFETY INFORMATION

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

- Apply appropriate personal protective equipment (PPE) and follow safe electrical work practices. See NFPA 70E, CSA Z462, or local equivalent.
- This equipment must only be installed and serviced by qualified electrical personnel.
- 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.
- Do not exceed the device's electrical ratings.
- 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.

PRODUCT OVERVIEW

The SCHNEIDER ELECTRIC VC5GUN is a 100 Amp enclosed switch designed for various electrical applications. It features a robust enclosure and a clear ON/OFF indicator for safe operation.



Figure 1: Front view of the SCHNEIDER ELECTRIC VC5GUN Enclosed Switch. The image shows a grey enclosed box with a red and yellow handle on the front. The handle is currently in the 'Off' position, indicated by a '0' next to it. A 'Danger' warning label is visible below the handle.

Key Components:

- **Enclosure:** Provides protection for internal electrical components.
- **Operating Handle:** Used to switch the device ON or OFF. Clearly marked with "On" and "Off" positions.
- **Mounting Points:** For secure installation to a surface.
- **Wiring Terminals:** Internal connections for electrical wiring (access requires opening the enclosure).

SETUP AND INSTALLATION

Installation of this enclosed switch should only be performed by qualified electrical personnel in accordance with all applicable national and local electrical codes and regulations.

Installation Steps:

1. **De-energize Circuit:** Ensure all power to the installation area is turned off and locked out/tagged out according to safety procedures. Verify with a voltage sensing device.
2. **Mounting:** Securely mount the enclosed switch to a stable surface using appropriate fasteners through the designated mounting points. Ensure the enclosure is level and plumb.
3. **Wiring:** Open the enclosure cover. Connect the incoming and outgoing electrical conductors to the appropriate terminals inside the switch. Ensure all connections are tight and secure. Refer to the internal wiring diagram if available.
4. **Close Enclosure:** Once wiring is complete and verified, securely close and latch the enclosure cover.
5. **Re-energize Circuit:** Restore power to the circuit only after ensuring all safety precautions have been met and the installation is complete.

For detailed wiring diagrams and specific installation requirements, consult the product's technical documentation or contact SCHNEIDER ELECTRIC support.

OPERATING INSTRUCTIONS

The VC5GUN enclosed switch is designed for simple and reliable operation.

To Turn ON the Switch:

- Locate the operating handle on the front of the enclosure.
- Move the handle from the "Off" (0) position to the "On" (I) position. The handle will typically click into place.
- Verify the indicator shows "On".

To Turn OFF the Switch:

- Locate the operating handle on the front of the enclosure.
- Move the handle from the "On" (I) position to the "Off" (0) position. The handle will typically click into place.
- Verify the indicator shows "Off".

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

MAINTENANCE

Regular maintenance helps ensure the longevity and safe operation of your SCHNEIDER ELECTRIC VC5GUN Enclosed Switch. All maintenance should be performed by qualified personnel with power de-energized.

Recommended Maintenance Schedule:

- **Annually:**
 - Inspect the enclosure for any signs of damage, corrosion, or ingress of dust/moisture.
 - Check all external mounting hardware for tightness.
 - With power off, open the enclosure and inspect internal wiring connections for tightness and signs of overheating or arcing.

- Clean any dust or debris from inside the enclosure using a dry, non-conductive cloth or vacuum.

- **As Needed:**

- If the switch operation feels stiff or unusual, do not force it. Contact qualified personnel for inspection.
- Address any unusual noises, smells, or visual anomalies immediately.

Always ensure the enclosure is properly sealed after any internal inspection or maintenance.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter with the VC5GUN Enclosed Switch. For problems not listed here, contact SCHNEIDER ELECTRIC support.

Problem	Possible Cause	Solution
Switch does not operate smoothly.	Internal obstruction or damage; accumulation of dust/debris.	Do not force the handle. De-energize power and have qualified personnel inspect and clean the internal mechanism.
No power to load when switch is ON.	Upstream circuit breaker tripped; loose wiring connection; internal switch failure.	Check upstream circuit breaker. De-energize power and have qualified personnel check all wiring connections. If problem persists, switch may need replacement.
Enclosure shows signs of overheating.	Overload condition; loose connections; incorrect sizing.	Immediately de-energize power. This indicates a serious issue. Have qualified personnel investigate the cause and rectify it before re-energizing.

SPECIFICATIONS

The following are the technical specifications for the SCHNEIDER ELECTRIC VC5GUN Enclosed Switch:

Attribute	Value
Model Number	VC5GUN
Brand	SCHNEIDER ELECTRIC
Current Rating	100 Amps
Item Dimensions (L x W x H)	11.8 x 9.7 x 7.9 inches
Item Weight	7.04 pounds
Connectivity Protocol	X-10
Unit Count	1.0 Count
Number of Items	1

Attribute	Value
UPC	785901680550
Manufacturer	SCHNEIDER ELECTRIC
Date First Available	May 7, 2013

WARRANTY INFORMATION

SCHNEIDER ELECTRIC products are manufactured to high quality standards. For specific warranty terms and conditions applicable to the VC5GUN Enclosed Switch, please refer to the warranty documentation provided with your purchase or visit the official SCHNEIDER ELECTRIC website. Keep your proof of purchase for warranty claims.

SUPPORT AND CONTACT

For technical assistance, product inquiries, or support, please contact SCHNEIDER ELECTRIC directly:

- **Website:** www.se.com (or your regional Schneider Electric website)
- Refer to the product packaging or the official website for specific contact numbers or email addresses for your region.

When contacting support, please have your product model number (VC5GUN) and any relevant purchase information ready.