SEL-651RA Installation Instructions for Low-Voltage Close Cable

Introduction

This low-voltage close cable provides a two-pin female receptacle that exits from the bottom of the cabinet. The low-voltage close (LVC) cable is internally wired to input power. The LVC receptacle typically sends power (by way of an external cable, which is not included) to the recloser for close operations.

Parts

SEL Part Number	Description	Quantity
SEL-C5779	Low-voltage close receptacle harness	1
SEL-C5241	Ground wire	1
080-0101	5/8 steel wire clamps	2
140-0500	4-40 x 1/2" screw	4
140-0740	4-40 hex nut	4
144-0140	Plastic cap	1
310-0050	Zip ties	12

Installation

Step 1. Install the low-voltage close receptacle harness in the bottom of the cabinet in the rightmost hole in the back row. Insert the receptacle from the inside of the cabinet and install three of the four screws from the outside. Install the nuts on the screws from the inside of the cabinet. See *Figure 1*.

Step 2. Install the smaller ring terminal of the green/yellow ground wire to the last connector screw and secure it with the last nut. See *Figure 1*.

Step 3. Use the existing nut to connect the larger ring terminal of the green/yellow ground wire to the ground stud. See *Figure 1*.

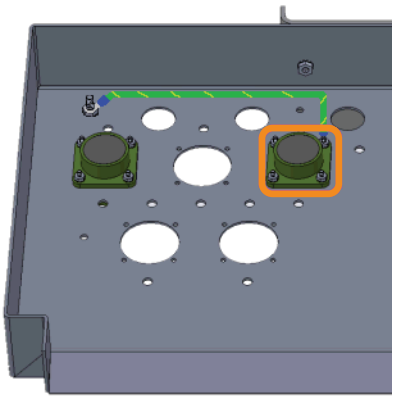


Figure 1 Install Ring Terminal

Step 4. Form a drip loop and route the harness wires to the back of the cabinet and to the left toward the 14-pin connector. See *Figure 2*.

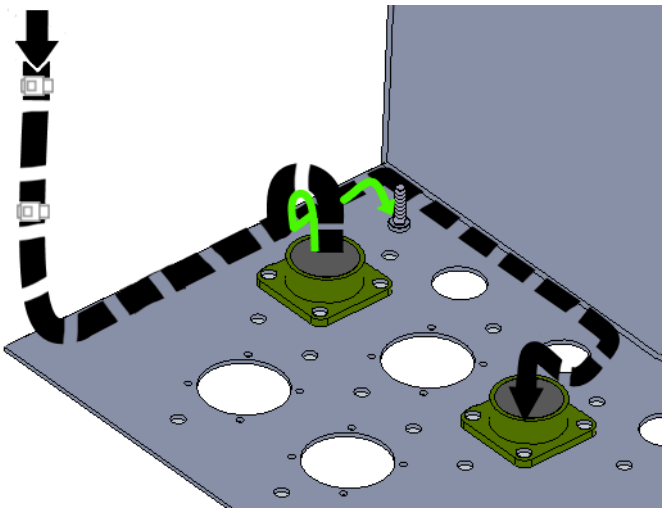


Figure 2 Form Drip Loop and Route Harness Wires

Step 5. Use the existing nut to connect the green and yellow ground wire to the ground stud.

Step 6. Join the LVC wires with the main harness and route the wires through the wire loom and up the swing-panel hinge through the existing wire clamps.

Step 7. Route the wires across the top of the control module. The accessory wires route separately from the main harness.

Step 8. Use the existing nuts to secure the wires to the top of the control module with the two accessory wire clamps (if they are not already installed). See *Figure 3*.

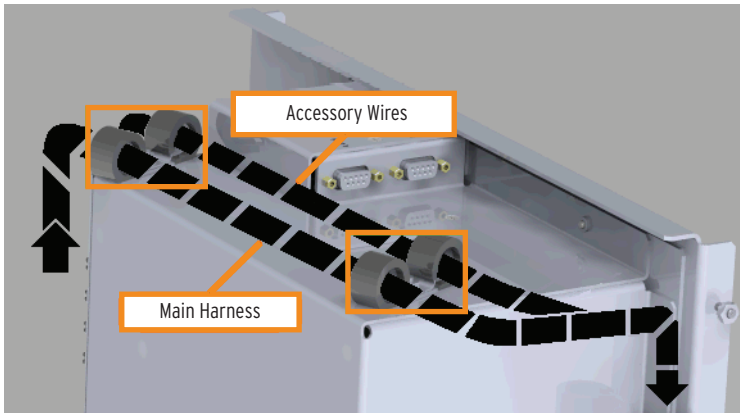
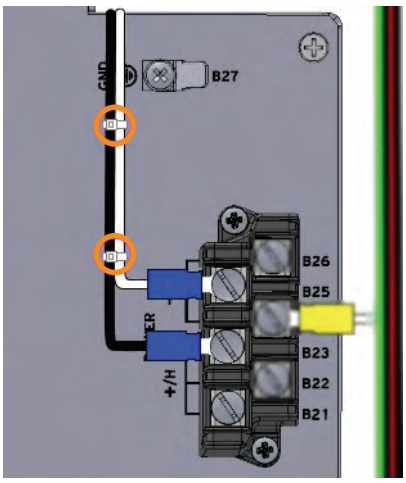


Figure 3 Secure Wires on Top of Control Module

Step 9. Attach the white wire from the LVC receptacle to the **B25** terminal on the unit and the black wire from the LVC receptacle to **B23** on the unit. See *Figure 4*.

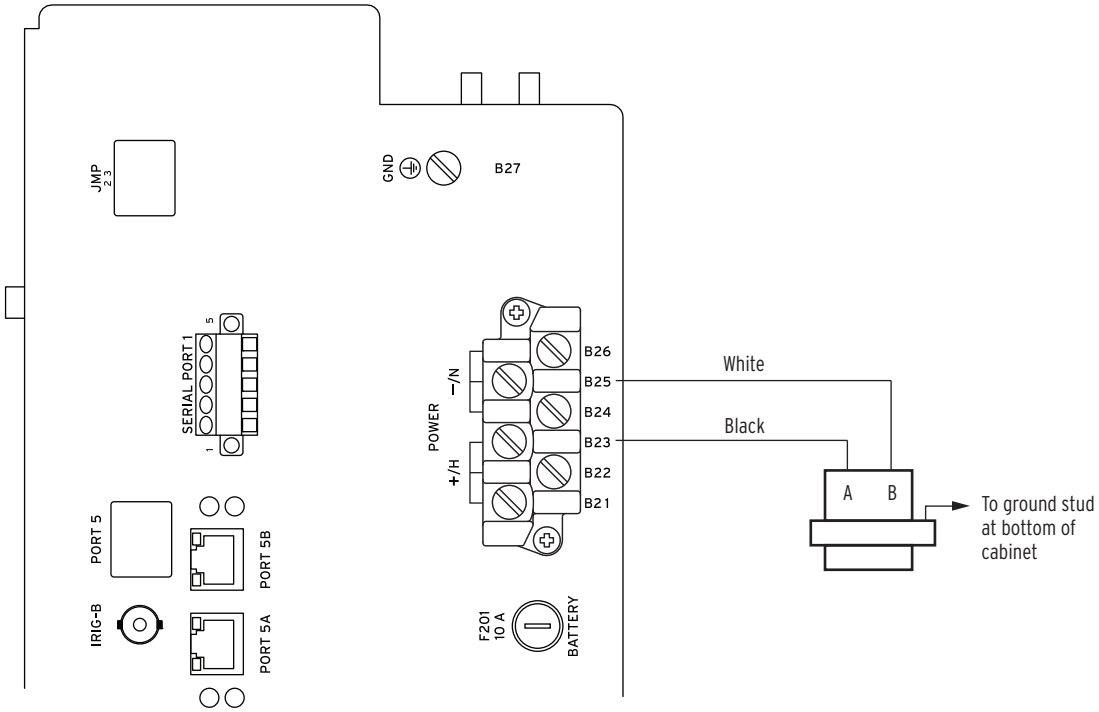


Low-Voltage Close Wires:	To:
A (Black)	B23
B (White)	B25

Figure 4 Attach Wires to Control Module

Step 10. Zip tie wires as necessary.

Wiring Diagram



Technical Support

We appreciate your interest in SEL products and services. If you have questions or comments, please contact us at:

Schweitzer Engineering Laboratories, Inc.
2350 NE Hopkins Court
Pullman, WA 99163-5603 U.S.A.
Tel: +1.509.338.3838
Fax: +1.509.332.7990
Internet: selinc.com/support
Email: info@selinc.com

⚠WARNING
Operator safety may be impaired if the device is used in a manner not specified by SEL.

⚠AVERTISSEMENT
La sécurité de l'opérateur peut être compromise si l'appareil est utilisé d'une façon non indiquée par SEL.

SCHWEITZER ENGINEERING LABORATORIES, INC.
2350 NE Hopkins Court • Pullman, WA 99163-5603 U.S.A.
Tel: +1.509.332.1890 • Fax: +1.509.332.7990
selinc.com • info@selinc.com