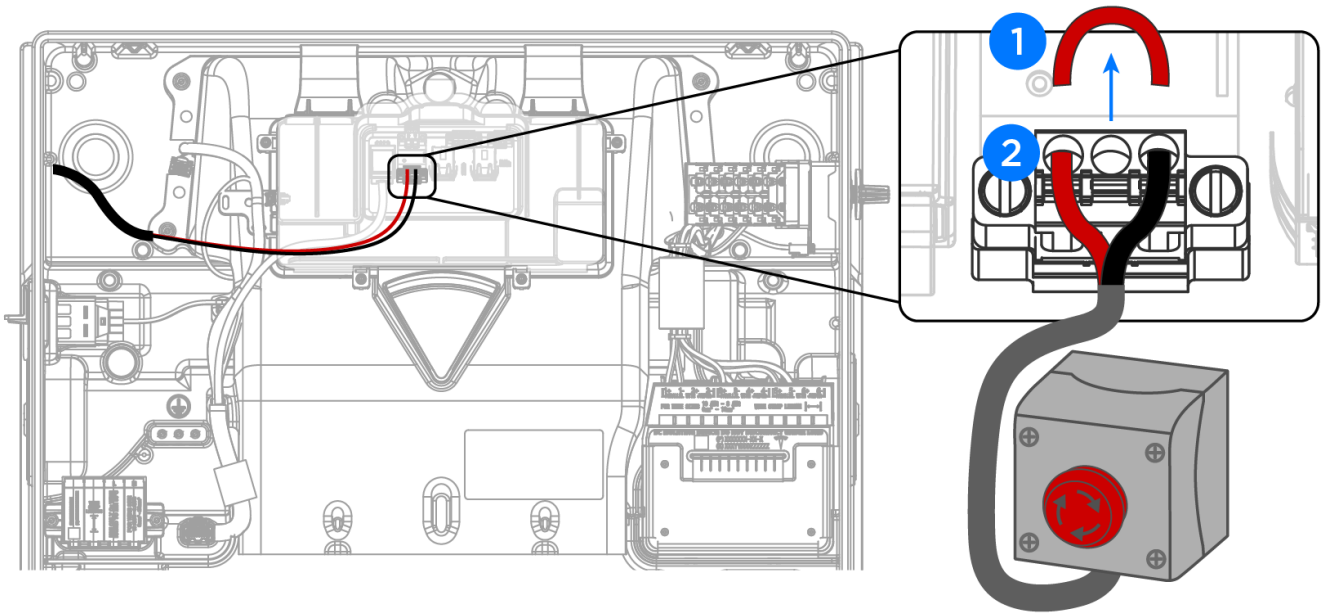
e. Insert each conductor as far as possible into the terminal and remove the screwdriver from the screwdriver slot to close the terminal.

> ⚠ **CAUTION:** Excessive force may damage the connector; do not apply more force than is necessary to open the terminal and insert the conductor.

3. Connect the 2-conductor communication wire to a suitable DC switch (requirements below).



Switch Requirements

System Shutdown Switches shall meet the following requirements.

- Listed or Recognized as "Emergency Stop Button", "Emergency Stop Device", "Emergency Stop Unit", meeting one of the following standards:
  - IEC 60947-1:2020 and IEC 60947-5-1
  - BS EN ISO 13850:2015 - TC
- Rated for at least 12 V, 1 A
- Outdoor rated (IP 14 or higher)
- Terminals must accept 0.25 mm^2 wire or larger

APPENDIX E: (OPTIONAL) INSTALL SYSTEM SHUTDOWN SWITCH

Recommended Switch Components

The following product (composed of all parts listed below) meets all above requirements for this application:

Emergency Stop Button Option 1: Eaton	Eaton M22-PVT	Emergency Stop Button
	Eaton M22-I1-PG	Emergency Stop Enclosure
	Eaton M22-K01PV6	Emergency Stop Contactor Block (240V, 6A)
Emergency Stop Button Option 2: Schneider	Schneider XALD01H7	Emergency Stop Enclosure
	Schneider ZB5AT84	Emergency Stop Button
	Schneider ZB5AZ009	Emergency Stop Collar
	Schneider ZBE102	Emergency Stop Contact Block
	Schneider ZBZ1605	Emergency Stop Guard Yellow
	Schneider ZBZ1602	Emergency Stop Guard Black
Low voltage communication wire (Powerwall 3 communication cable preferred)		

Installation Guidelines for the System Shutdown Switch

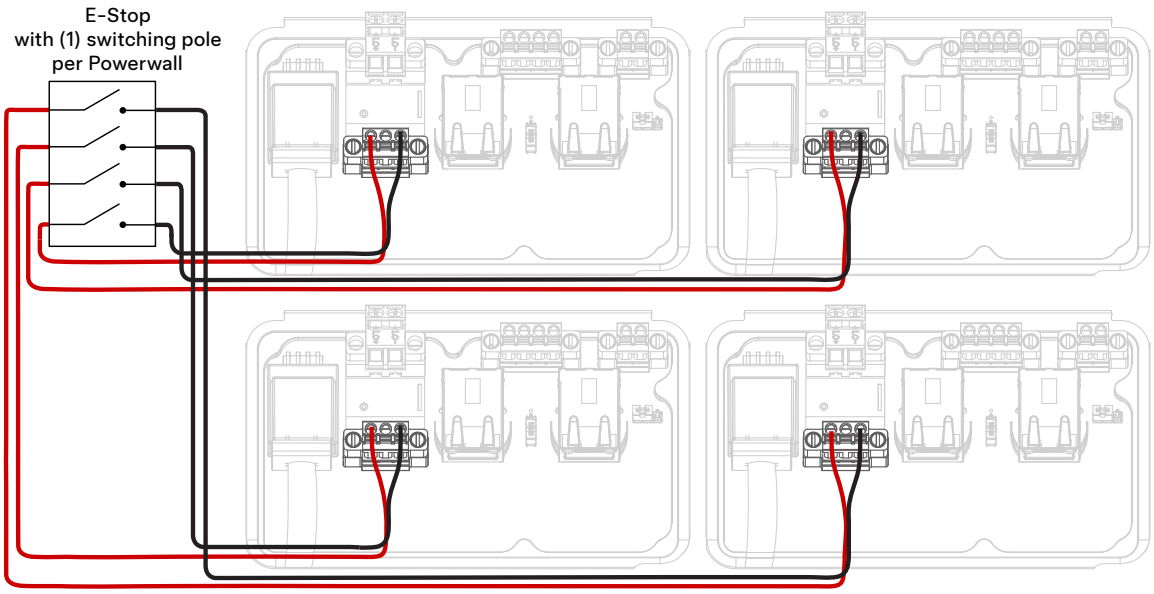
- Up to three Powerwall 3 units can be connected to a single System Shutdown Switch
- Installed externally in a readily accessible location, preferably near utility meter
- Maximum low voltage wire run from switch does not exceed 150 ft (45 m)
- Control circuit must be installed as Type TC-ER or within an appropriate raceway

Optional System Shutdown Switch with Multiple Powerwall 3 Units

Where a System Shutdown Switch is installed, each Powerwall 3 must be wired to a dedicated switching pole of the switch. Ensure the installed System Shutdown Switch has enough switching poles for the number of units installed.

NOTE: As depicted in the system diagram above, Expansion units are not connected to the System Shutdown Switch. They are connected to Powerwall 3 via the Expansion Harness, and they will also shut down when the System Shutdown Switch is pushed.

Figure 49. 4-Pole System Shutdown Switch with Four Powerwall 3 Units



In the event multiple System Shutdown Switches are required to accommodate the number of Powerwall 3 units installed, simply install multiple switches, placing them physically near each other and following all local codes and requirements.

Figure 50. Two 3-Pole System Shutdown Switches with Four Powerwall 3 Units