

Preparation

2.1 Site Selection

The following criteria should be considered when selecting a site to install the switch:

Floor Space: Install the switch in an area that provides adequate clearance for removing front and rear components. [Figure 2-1](#) displays switch clearance requirements.

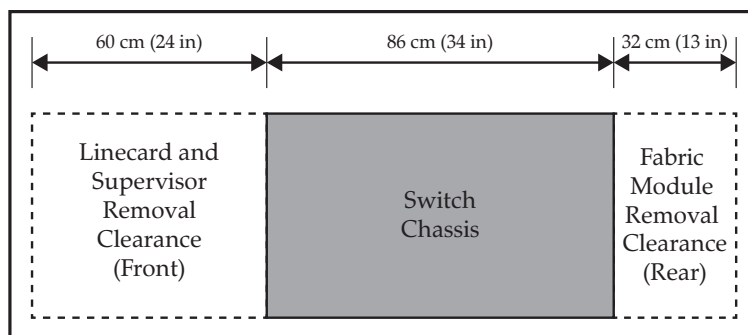


Figure 2-1: Switch Component Removal Footprint

- **Temperature and Ventilation:** For proper ventilation, install the switch where there is ample airflow to the front and back of the switch. The temperature should not go below 0° or exceed 40° C.

Important! To prevent the switch from overheating, do not operate it in an area where the ambient temperature exceeds 40°C (104°F).

Pour empêcher l'interrupteur de surchauffe, ne pas utiliser il dans une zone où la température ambiante est supérieure à 40° C (104° F).

- **Airflow Orientation:** The fans direct air from the front panel to the rear panel. Orient the front panel toward the cool aisle.
- **Rack Space:** Install the switch in a 19" rack or cabinet. The switch height is 11 RU (7508 / 7508E) or 7 RU (7504 / 7504E). The accessory kit provides mounting brackets for two-post and four-post racks.

When mounting the switch in a partially filled rack, load the rack from bottom to top, with the heaviest equipment at the bottom. Load the switch at the bottom if it is the only item in the rack.

- **Power Requirements:** The 7508 / 7508E switch requires two 200-240 VAC, 50 or 60 Hz, 20 A circuits. The 7504 / 7504E switches require one 200-240 VAC, 50 or 60 Hz, 20 A circuit.

Four circuits provide redundancy protection. The switch uses power cables that comply with IEC-320 and have a C19 plug. The accessory kit provides four IEC-320 C19 to C20 power cables, each two meters long.

Important! All power input plug-socket combinations must be accessible at all times; they provide the primary method of disconnecting power from the system.

Toutes les combinaisons de fiche-prise d'entrée de puissance doivent être accessibles en tout temps ; ils fournissent le principal moyen de coupure d'alimentation du système.

- **Other Requirements:** Select a site where liquids or objects cannot fall onto the equipment and foreign objects are not drawn into the ventilation holes. Verify these guidelines are met:
 - Clearance areas to the front and rear panels allow for unrestricted cabling.
 - All front and rear panel indicators can be easily read.
 - AC power cords can reach from the AC power outlet to the connectors on the front panel.

Important! Disconnecting power to all input sockets is required to completely power off the unit.

Coupure d'alimentation sur toutes les entrées il faut pouvoir complètement l'appareil hors tension.

2.2 Tools and Parts Required for Installation

The following tools are required to install a modular switch:

- Mechanical device capable of lifting chassis being installed ([Table 1-1 on page 3](#)).
- Adjustable wrench (provided)
- Phillips #2 screwdriver
- Phillips #3 screwdriver

Two-post rack mounts:

- Eight equipment rack screws (all two-post rack mounts).
- Eight equipment rack nuts (two-post rack mount with unthreaded rack post holes).

Four-port rack mounts:

- Eight equipment rack screws (four-post rack mount with threaded rack post holes).

Accessory kit provides rack screws for four-post rack mount with unthreaded rack post holes.

The accessory kit includes screws that fit many common equipment racks.

2.3 Electrostatic Discharge (ESD) Precautions

Observe these guidelines to avoid ESD damage when installing or servicing the switch.

- Assemble or disassemble equipment only in a static-free work area.
- Use a conductive work surface (such as an anti-static mat) to dissipate static charge.
- Wear a conductive wrist strap to dissipate static charge accumulation.
- Minimize handling of assemblies and components.
- Keep replacement parts in their original static-free packaging.
- Remove all plastic, foam, vinyl, paper, and other static-generating materials from the work area.
- Use tools that do not create ESD.

