



Power Distribution Strips (PDS)

General

The power distribution strips (PDS) are available with NEMA inlet/NEMA outlets or IEC inlet/IEC outlets and in a horizontal or vertical mounting configuration.

How to Contact Us

- To find out more about **CommScope**[®] solutions, visit us on the web at <http://www.commscope.com/>
- For customer support regarding **CommScope** products, contact your local account representative or call 1-800-544-1948 or (828) 459-5000.

Installation Guidelines

- If the PDS is installed in a cabinet the ambient temperature of the rack should be no greater than 45°C (113°F).
- Install the PDS such that the amount of airflow required for safe operation of equipment is not compromised.
- Mount the PDS so that a hazardous condition is not achieved due to uneven mechanical loading.
- Follow nameplate ratings when connecting equipment to the branch circuit. Take into consideration the effect that overloading of the circuits might have on over current protection and supply wiring.
- The PDS relies on the building installation for protection from over current. An approved circuit breaker is required in the building installation. The circuit breaker should be sized according to the PDS's nameplate ratings and local/national electrical code.
- Reliable grounding of rack-mount equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit. The PDS must be connected to a properly grounded outlet.
- The PDSs are to be used only on circuits complying with NEC codes for Branch Circuit Wiring and Protection.
- The PDS is intended for installation in restricted access locations. Only qualified service personnel should install and access the PDS.
- For pluggable equipment, install the PDS so the input plug or appliance coupler may be accessed and disconnected for service.
- **Caution:** Disconnect all power cords before servicing.
- PDS is intended for indoor use only. Do not mount to furniture such that spilled liquid could come into contact with PDS.

Service and Maintenance

No service or maintenance is required and no serviceable parts are inside. Do not attempt to open the strip or the warranty may be voided.

Warnings

- **Elevated Operating Temperature** – If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Consideration should be given to installing the equipment in an environment compatible with the maximum rated ambient temperature of 45°C (113°F).
- **Reduced Air Flow** – Installation of the equipment in a rack should be such that the amount of airflow required for safe operation of the equipment is not compromised.
- **Mechanical Loading** – Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.
- **Circuit Overloading** – Consideration should be given to connection of equipment to the supply circuit and the effect overloading the circuits may have on over-current protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.
- **Grounding** – Reliable grounding of rack-mounted equip. should be maintained. Particular attention should be given to supply connections other than direct connections to branch circuit.
- **Service Personnel** – Only qualified service personnel should install and access this equipment.
- **Installing or Removing Equipment** – It is strongly recommended that power be removed from the unit before installing or removing any equipment.

Receptacle Ratings

NEMA 5-15R or L5-15R, 125 Volts, 15 Amp	NEMA L6-30R, 250 Volts, 30 Amp
NEMA 5-20R or L5-20R, 125 Volts, 20 Amp	NEMA L15-30R, 250 Volts (3 phase), 30 Amp
NEMA 6-20R or L6-20R, 250 Volts, 20 Amp	IEC-320 C13, 125/250 Volt, 15 Amp [†]
NEMA L5-30R, 125 Volts, 30 Amp	IEC-320 C19, 125/250 Volt, 20 Amp

[†] Per receptacle bank

Horizontal Unit Installation

1. Locate horizontal power strip at desired height and install fasteners (not included) through the front panel mounting holes of unit to the appropriate threaded holes in a rack, cabinet, or other device.
2. Plug the strip into a properly sized branch circuit with the appropriate receptacle for the plug provided.
3. Power on devices to be powered by the strip. Sequential power-up is recommended to avoid a high in-rush of current.

Vertical Unit Installation

1. Locate power strip at desired location and align brackets or clips. Brackets or clips are to be mounted securely using user provided hardware. Suitable hardware should be used such that brackets or clips are mounted firmly to the surface.
2. **Bracket Mounting** - Once brackets are mounted, mount the power strips to the bracket using enclosed 10-32 philips head screws with integral star washer. Position the power strip in the desired orientation, and lock in place with screws.
3. **Clip Mounting** - Clip mounted strips will not require additional screws. Mount clip marked "BOTTOM" with lowest desired location of power strip. Mount additional clip(s) in line with bottom clip. Align strip with clips and snap into place.
4. Plug the strip into a properly sized branch circuit with the appropriate receptacle for the plug provided.
5. Power on devices to be powered by the strip. Sequential power-up is recommended to avoid a high in-rush of current.