

10-3. RACK-MOUNT POWER STRIP

ELECTRICAL

Each rack-mount power strip shall meet the following requirements:

1. A maximum rating of 15 A, 120 V(ac), 60 Hz.
2. A surge protection with UL 1449 Clamping Level of 400 V, an IEEE Let-Through Voltage rating of less than 336 V, a single-pulse energy rating of 210 J and EMI/RFI noise protection rating of 40 dB.
3. One 15 A circuit breaker.
4. One internally illuminated switch to cut off power to all outlets.
5. Six NEMA 5-15R outlets.

MECHANICAL

Each rack-mount power strip shall meet the following requirements:

1. Dimensions of 2" (H) x 19" (W) x 2-4/5" (D) maximum and shall not weigh more than 4.5 lbs.
2. The front plate of the power strip shall have two cut-off EIA mounting screw holes on each end.
3. Each outlet shall have 1-1/2" minimum spacing center-to-center to its adjacent outlet.
4. The power cord shall enter from the rear with a length of 7 feet minimum.
5. The clearance between the power cord entrance and the nearest outlet shall be 3-3/8" minimum.
6. Both the circuit breaker and the switch shall be front-mounted.
7. Each outlet shall be rear-mounted.

The power strip shall be plugged into the non-GFCI duplex outlet normally labeled with "Controller Unit Receptacle" in the back of the Power Distribution Assembly (PDA). The power strip shall be mounted on the rear of the standard EIA-310 rack cage and across the two vertical back rails with four stainless steel EIA mounting screws, two on each side. The power strip shall not hinder the accessibility to the back of all existing electrical equipment. All power cords for permanently field installed electrical equipment shall be plugged into the power strip.