

upCentric[®]

Power & Data Rail

Power Infeed Connection

Power Rating - 15 A, 120/240 VAC, 1 phase, 60 Hz or 120/208 VAC, 3 phase, 60 Hz

Save these instructions when using an electrical furnishing, basic precautions should always be followed, including the following:

Danger

To reduce the risk of electric shock:

- Do not attempt to open or repair any of the beam components.
- Keep all electrical components away from liquids. Beam is designed to operate in dry work areas only.
- Do not operate where aerosol (spray) products are being used or where oxygen is being administered.
- Do not use outdoors.

Warning: Risk of Electric Shock, Fire, and Injury

Review the assembly instructions to confirm that the appropriate critical components and accessories are being used with the furnishing. All electrical connections must be installed by a licensed electrician. System shall not be supplied by more than one source. DO NOT connect multiple power sources to this system.

To reduce the risks of burns, fire, electric shock, or injury to persons:

- This product must be connected and disconnected by a licensed electrician, approved within jurisdiction.
- Use this furnishing only for its intended use as described in these instructions. Do not use attachments, it is not recommended by the manufacturer.
- All parts that are connected electrically shall also be connected mechanically.
- Electrically interconnected furnishings must be mechanically interconnected.
- Cap all unused connector openings with the manufacturer's recommended termination system.
- Do not install this modular system across building floor expansion joints.

Maximum 12 beams can be connected together in one system. Each receptacle in the Power & Data Rail system is rated to 15 AMPs. Each rail includes either 2 (single sided) or 4 (double sided) duplex receptacle, with 1 duplex receptacle on each of the 4 circuits. Single sided rails contain Circuit 1 and Circuit 2 receptacles. For Commercial use only. Beam is not load-bearing. Do not place heavy objects on beam.

Grounding Instructions

This product must be connected to a grounded metal, permanent wiring system, or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the product.

Specifications

System rating 15A/120V

15 amp duplex receptacle

Shared neutral wiring systems: All shared neutrals use 10 gauge wire, rated at 35 Amps

Shared: 8-wire (4-2-2)

8-Wire (4-2-2) configuration: Up to 48 receptacles per infeed

The upCentric Power & Data Rail System uses the Byrne Electric 8 Trac System, UL Recognized (UL 1286), and UL Listed (UL 183) in full compliance with electrical specifications found in the National Electrical Code (NEC).

Power Infeed Keying

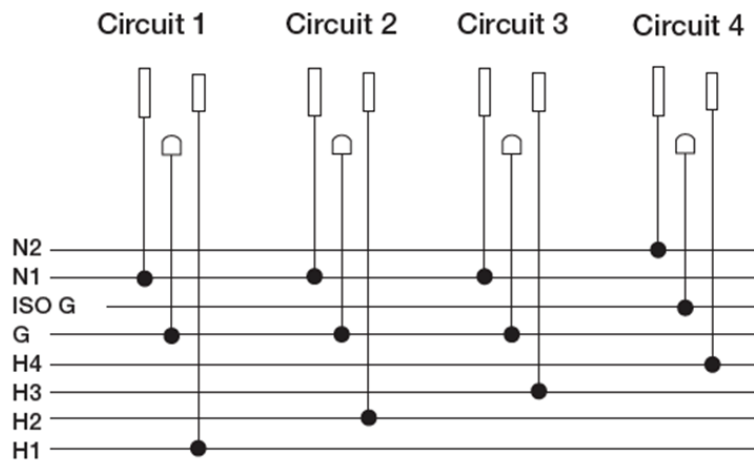
The upCentric Power & Data Rail System is rated for 15 Amps allowing the use of 4 circuits with 4 line conductors, 2 neutrals and 2 grounds. Up to 12 duplex receptacles may be used per circuit, with a total of 48 available receptacles if all circuits are used, per single power entry.

The line conductors are 12 AWG, and share a 12 AWG ground and a 10 AWG neutral. The fourth circuit is isolated and dedicated, and is serviced by its own line conductor, neutral and isolated ground.

Alternate circuit diagrams are available. The Byrne System can be wired in both single and three-phase configurations, 240/120V, 208/120V respectively. Additionally, a 3 hot, 3 neutral, 2 ground (3-3-2) wiring system is available.

Keying

3+D



Keying

3-3-2

