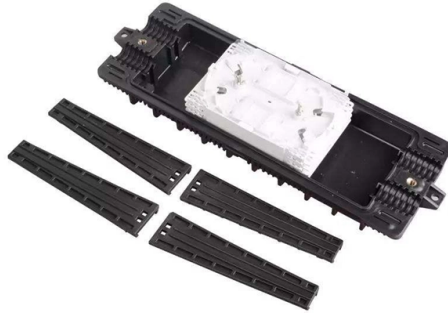


Server Network Rack Socket



Article Overview

Network server rack sockets are specialized power outlets integrated into PDUs to safely distribute electricity to multiple servers and networking devices within standard 19-inch racks.

Overview of Rack Sockets and PDUs

Server racks require Power Distribution Units (PDUs) to manage electricity efficiently and safely. PDUs come in various types, including basic, metered, and managed units, offering features like outlet-level monitoring, remote on/off control, and surge protection (Eaton) . Rack sockets are designed to fit standard 19-inch racks and can be mounted horizontally (1U, 2U) or vertically, depending on space and power requirements (Bachmann, Fiber4u) .

Common Socket Types

- IEC C13/C14: Widely used for servers and networking equipment; supports moderate current loads (StarTech) .
- IEC C19/C20: For higher power devices, often used in high-density racks .
- DIN49440 and BS1363: Regional standards for Europe and the UK, available in horizontal or vertical configurations .

Key Features

- Overvoltage and surge protection: Protects sensitive equipment from power spikes (Bachmann)

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