Level 3 distribution box track socket



Overview

With minimal parts, push-fit assembly and a complementary range of floor boxes and grommets, this flexible, easy to install system can be reconfigured as office layouts evolve.

Key Takeaways

A Level 3 distribution box track socket is a modular, movable power outlet designed for underfloor or raised floor power track systems, providing flexible, safe, and standards-compliant electrical distribution.

Overview

A track socket is part of a power track system that allows electrical devices to connect at various points along a mounted track without rewiring. These sockets slide or snap into place on the track, making contact with embedded conductive rails to deliver power. This modularity enables easy repositioning of outlets to meet changing office or industrial layouts.

Key Features

Mobility: Sockets can be moved along the track to different positions without disconnecting the main supply. Safety: Many systems include shutters, overload protection, short-circuit protection, and color-coded tap-offs to prevent installation errors and accidental contact with live parts. Compatibility: Level 3 distribution boxes typically support multiple configurations, including standard earth, clean earth (low noise), dual circuit, and three-phase applications.

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Ratings: Common ratings include 32A for tap-off units and 63A for main distribution tracks, suitable for commercial and industrial power needs. Standards Compliance: Systems are tested and certified to BS EN 61534-1 and BS EN 61534-22, and comply with Wiring Regulations BS7671: 2008.

Installation

Underfloor or Raised Floor: Track sockets are designed for installation in floor voids, often as low as 60mm, or in raised floor systems. End Feeds and Couplers: Distribution boxes connect to the main supply via end feeds, which allow easy termination of SWA cables. Integrated couplers enable quick connection between track lengths without additional parts.

Mounting: Tracks feature attachable feet or brackets for secure fixing to slabs or surfaces, and tap-off units often include sliding dust covers for protection.

System Examples

Legrand Electrak: Offers push-fit assembly with complementary floor boxes and grommets for flexible office layouts. Betatrak: Features color and key-coded tap-offs with integral sliding dust covers and fast-fit brackets for safe installation. Burland Connect: Provides 1.2m to 3.6m track lengths, 32A tap-off units, and options for standard, clean, dual, or three-phase circuits.

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K Electric: Includes patented snap-fast joints, ratchet self-leveling frames, and configurable floor boxes for power, data, and USB access.

Benefits

Flexibility: Easily adapt power distribution to changing layouts without rewiring. Safety: Reduced risk of electrical accidents due to shutters, color coding, and protective covers. Efficiency: Quick installation and modular expansion reduce labor and material costs.

Compliance: Meets international and UK electrical standards for commercial installations. In summary, a Level 3 distribution box track socket is a versatile, safe, and standards-compliant solution for distributing power in underfloor or raised floor environments, ideal for offices, data centers, and industrial spaces where flexible power access is required.

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Article Content

Electrak powertrack | Legrand United Kingdom

With minimal parts, push-fit assembly and a complementary range of floor boxes and grommets, this flexible, easy to install system can be reconfigured as office layouts evolve.

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Get 3 or 4 compartment boxes with depth options. Whichever configuration you choose, it''s been designed for robustness to accept a 5,000N load.

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Our Cablelink Plus single pan box is innovatively designed to enable greater wiring space beneath each socket or module plate to support up to Cat 7 compliance.

Betatrak

Betatrak is installed into raised access floors and there is an option for installation into ceiling areas. Betatrak comes in lengths of 1.2m, 1.8m, 2.4m or 3.6m with tap-off positions provided at 300mm as

The Ultimate Guide to Power Track Sockets: Revolutionizing Your ...

Explore the revolutionary advantages of power track sockets: flexibility, safety, and efficiency. Learn about their operation, types, applications, installation, and maintenance.

Power Distribution Solutions for the Office from CMD

We pride ourselves on being able to offer a full range of connectivity from the powertrack and power hub systems to floor boxes or access grommets that bring the power to the user via a range of under

FLOOR BOXES

Electrak slab floor boxes are an ideal solution for underfloor power and data requirements Used in conjunction with Electrak floor grommets, slab boxes prevent unwanted access to power and data

33452_Sheridan_Powertrack

Dual Track System running alongside data & telecom cable trays, supplying Electrak floor service outlet boxes. Standard, Low Noise and Dual Track tap-off units plug into any socket outlet along the Dual

Burland Connect Under Floor Track

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Manufactured in the UK, the Burland Connect power track system meets all under floor power distribution needs and is colour coded to ensure compliance with

Power Track Socket Manufacturer and Supplier

A power track socket is a flexible electrical outlet system that combines a mounted rail with movable sockets, offering adaptable power distribution in various

Electrak powertrack | Legrand United Kingdom

Electrak powertrack | ! Electrak powertrack or underfloor busbar is perfect for cavity floor installations. With minimal parts, push-fit assembly and a complementary range of floor boxes and grommets, this

Guide to floor power: floor boxes, busbars and

Busbars are metallic tracks which have a series of plug sockets built into them. These tracks feed the building''s mains power to wherever electricity is needed,

The Meaning and Function of Primary, Secondary, and Tertiary ...

Forms part of the three-level protection system. Features inner and outer doors, powder-coated exteriors, and rainproof tops for outdoor use. Tertiary Distribution Box: The system includes a

three-level distribution system_switchgear_Switchboard_circuit

It receives the electrical energy from the first-level distribution box and further distributes it to the third-level distribution boxes. Generally, electrical equipment such as branch circuit breakers

adaptable, reliable POWERTRACK

Track lengths fit together using the integral connectors on each length Track lengths should always be secured using the integral floor fixing brackets 300 mm socket centres 1·2 m, 4 outlets, 2 floor fixing

AARP® Official Site

AARP is the nation''s largest nonprofit, nonpartisan organization dedicated to empowering Americans 50 and older to choose how they live as they age.

Area distribution boxes with connectors

4.1 Characteristics of the materials The area distribution box associated with the copper or optical feedthrough sockets allows total flexibility: the connections close to the workstation are centralised.

Distribution Box and Selection Guide: Internal Structure, Components ...

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Learn how to choose a distribution box and understand its internal structure, including MCBs, busbars, neutral bars, earth bars, RCDs, RCBOs, SPDs, enclosure ratings, and wiring layout.

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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