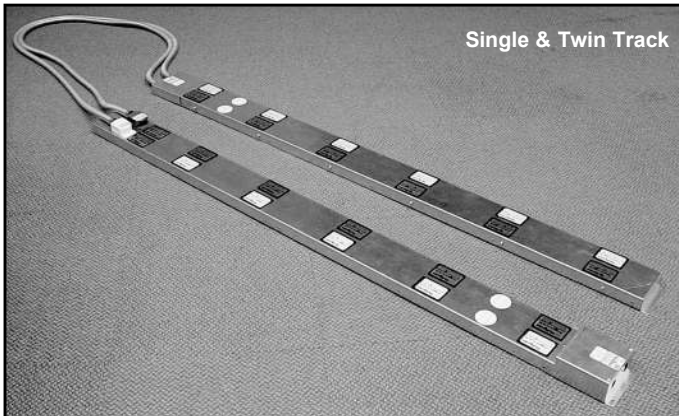


110 - Underfloor Track/Floor Boxes/Floor Grommets

Technical Specification Multipoint Powerfloor



Standards

Complies with the relevant clauses of: BS 5733: 1995; BS EN 60439-1: 1999, BS EN 60439-2: 2000; IEC 60439-1: 1999; IEC 60439-2: 2000; BS 1363-1:1995 & BS 1363-2:1995. Meets the requirements of BS 7671:2008 IEE Wiring Regulations.

Approvals

Multipoint holds ASTA Certificate Number 3969/33 LC25. P.U.B. – Singapore; J.B.E. Malaysia. Powerfloor is certified by ASTA, Licence No. 667. GOST-R, Russia.

Electrical Rating

Voltage: 240 volts; Current: 40A and 32 Amps; Frequency: 50-60Hz.

Rated Conditional Short Circuit Current

16kA.

IP Classification

When installed: IP40.

Overall Dimensions

Length: According to module type; Width 69mm; Height with plug and clip fitted: 60mm.

Terminal Blocks

Capacity: 10mm² (16mm² on application); Construction: Brass block with screw and pressure plate.

Earthing

Standard modules: Cases are bonded at each end to the earth busbar; Clean Earth modules: Cases are interconnected by an earth wire connected to a screw adjacent to each socket.

Internal Connections

Modules & 32 Amp Plugs: All soldered - no maintenance required.

Materials

Module Casings: 1.2mm thick heavy duty galvanised steel to EN 10142; Socket Assemblies & Terminal Housings: Polyester; Busbar Separation: uPVC; Busbars: 6mm² Copper C101; Flexible Conduit: 4mm² tri-rated; Plug Body; Polycarbonate; Plug Pins; Brass; Plug Pin Sleeve: Nylon 66; Floor Box Connections: Length of free cables: 200mm approx. (other lengths on request); Fittings at Floor Box End: M20 male adaptor with locknut and shakeproof washer.

Temperature Rise

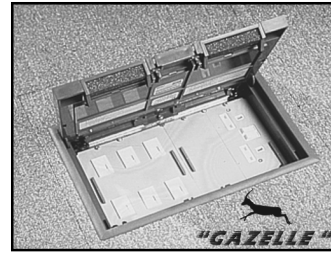
Plugs and sockets at 32 Amps 35°C max.

Volt Drop & Earth Loop Impedance

Refer to Electropatent.



Floorbox Component Specifications



Mounting Frame, Lid, Exit Flaps, Pulls & Cable Guides

Material: ABS/Polycarbonate blend.
Fire Retardancy: V-O according to UL94.

Colour: Dark Grey.

Cam & Ratchet Mechanism:

Material: Polycarbonate.
Fire Retardancy: V-O according to UL94.

Colour: Dark Grey.

Foam Strips

Material: Polyester based polyurethane foam CFS 32 UFR.

Flame Retardancy: HF-1 according to UL94.

Colour: Dark Grey.

Accessory Plates

Material: 1.2mm Plastic coated Zintec mild steel.

Colour: Goosewing Grey.

Backboxes & Retaining Rail

1.2 mild steel, galvanised to EN 10142 - Fe PO2 G Z 275 NA.

Screws

Bright zinc passivated steel.

Other Features

Simple cam and ratchet (patented) fixing to floor tile.

3 and 4 compartment configuration.

Large range of accessories including non-British sockets.

Reversible lid reinforced with 4mm thick galvanised steel plate.

Meets the requirements of BS 7671:2008 IEE Wiring Regulations.

Lid loading - tested to PSA MOB PF2 PS specification.

Floor Grommets - Multi-port



Component Specifications

- Upper/lower lids, sleeve & fixing flags
- Material: ABS/Polycarbonate blend
- Flame Retardant to V-O according to UL94
- Colour: Dark Grey or Black
- Foam insert
- Material: Expanded EPDM foam
- Accessory plates
- Material: 1.2mm Plastic coated Zintec mild steel
- Back-box
- Material: 1.2mm mild steel, galvanised to EN10142 – Fe PO2 G Z 275 NA
- Screws: Zinc plated & passivated steel

Main Features

- Variable lid aperture
- Accepts up to 3 no. 28.5mm O/D conduits
- Fast to install with quick-release fixings
- Large range of accessories including non-British sockets
- Will accommodate a socket-outlet & LJ6C/RJ45 voice/data outlet
- Segregated data & power compartment in back box
- Optional foam insert
- Lid loading – when closed withstands over 300kg on 25mm square point load
- Passes 4.5kg hard-body impact test
- Meets the requirements of BS 7671:2008 IEE Wiring Regulations
- Available with RCD protected socket

Left-hand picture shows locking Grommet

Most Grommets Ex-Stock