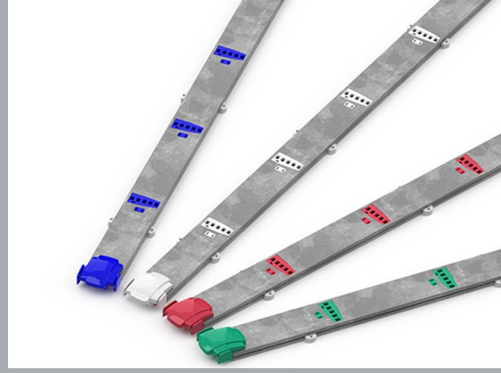
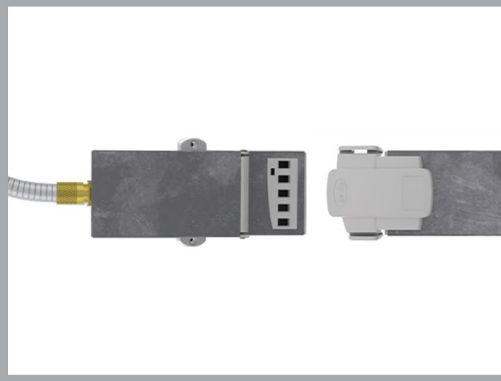
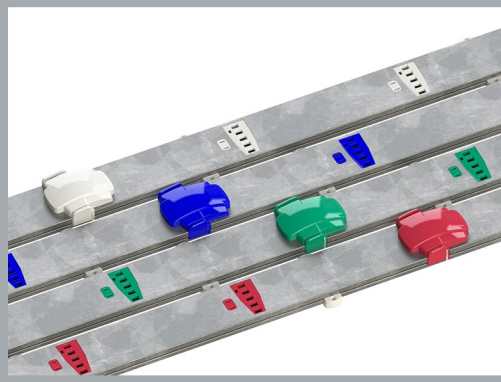
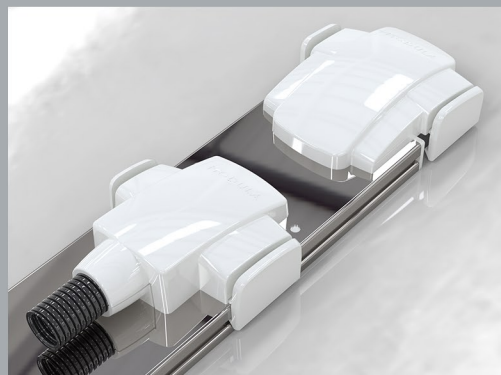
# BURLAND CONNECT

## UNDER FLOOR TRACK









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# Burland Connect

## powertrack applications

## Standard Circuit - Power 2 Pole & Earth

| Track Sections | | Feed Unit | |
|---|---|---|---|
| 1.2m x 300mm Pitch Lengths | MPT12S | End Feed Unit | MFUS |
| 1.8m x 300mm Pitch Lengths | MPT18S | **Pre Wired Interlink** | |
| 2.4m x 300mm Pitch Lengths | MPT24S | 1.2m Interlink standard | MIL12S |
| 3.6m x 300mm Pitch Lenghts | MPT36S | 2.4m Interlink standard | MIL24S |

## ELECTRICAL CHARACTERISTICS

| | |
|---|---|
| Rated Current | 63 Amps |
| Rated Voltage | 230/400 Volts |
| Frequency | 50/60 Hz |
| Conditional Short Circuit Rating (Protection device BS88 Fuse) | 16 KA |
| Conductor Resistance Line & Neutral | 3.68 mΩ/m |
| Conductor Impedance | 1.85 mΩ/m |
| Volt Drops Line & Neutral | |
| Power Track | 3.68 mV/A/m |
| Tap Off fitted with 4mm² Cable | 11 mV/A/m |
| Tap Off fitted with 2.5mm² Cable | 18 mV/A/m |
| Feed Unit & Coupler | 2.2 mV/A |
| Tap-Off | 0.73 mV/A |
| 4mm² Cable | 12 mV/A/m |
| Coupler | 1.5 mV/A |
| Interlink Unit | 4.5 mV/A |
| 10mm² Cable | 4.7 mV/A/m |
| Earth Fault Loop Impedance | |
| Line to Ground (Casing) | 2.8 mΩ/m |
| Line to Ground (Conductor) | 3.2 mΩ/m |
| Line to Ground (Conductor + Casing) | 2.8 mΩ/m |
| Feed Unit & Coupler | 2.2 mΩ |
| Tap Off Connection fitted 2.5mm² Cable | 14.5 mΩ/m |
| Tap Off Connection fitted 4mm² Cable | 11 mΩ/m |
| Coupler | 1.5 mΩ |
| Interlink Unit | 4.5 mΩ |
| 10mm² Cable | 4.7 mΩ/m |

## MECHANICAL DATA

| | |
|---|---|
| Number of Copper conductors | 2 |
| Conduit Cross-sectional Area (Nominal) | 19 mm² |
| Powertrack Casing Copper Equivalent | 14 mm² |
| Cable Termination Capacity | 16 mm |
| Tap-Off Cable 32 Amp | 4 mm² |
| Tap-Off Cable 13A fused (BS7211) | 2.5 mm² |
| Tap-Off Conduit Sizes O/D | 16 or 20 mm |
| Flexible Interlink Cable | 10 mm² |
| Feed Conduit Entry | 1 x 25 mm |
| IP Rating | 40 |
| Minimum void depth (track + tap-off) | 60 mm |

## MATERIAL SPECIFICATION

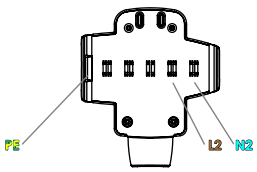
| | |
|---|---|
| Power Track Casing | Galvanised Steel |
| Conductors | HC High Conductive Copper |
| Power Track Insulators | POM |
| Sockets/ Tap -Off Plugs/ Joint Moulding | Flame Retardant Polycarbonate |
| Shutter | POM |
| Tap-Off Cable | LSOH BS 7211 |
| Couple Contacts | Brass |
| Tap-Off Plug Ins | Brass |
| Feed Unit Case | Galvanised Steel |
| Flexible Interlink Cable | TriRated BS6231 |
| Feed / Flexible Interlink Housing | Galvanised Steel |
| Tap-Off/Flexible Interlink conduit, metal | Electro-galvanised Steel |
| Track feed connector terminals/earth block | Brass |
| Track Fixing Brackets | Flame Retardant Polycarbonate |
| 13 Amp Tap-Off Fuse | BS 1362 ASTA approved |

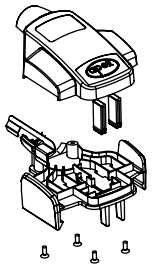
## TAP OFF

| Description | Product Code |
|---|---|
| 3m Tap-Off Unit Unfused 32A | MT3SUF |
| 3m Tap-Off Unit Fused 13A | MT3SF |
| 5m Tap-Off Unit Unfused 32A | MT5SUF |
| 5m Tap-Off Unit Fused 13A | MT5SF |

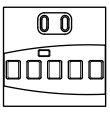
## CONTACT CONFIGURATION

**Standard Power Circuit**
**2 Pole & Earth L2, N2 & PE**

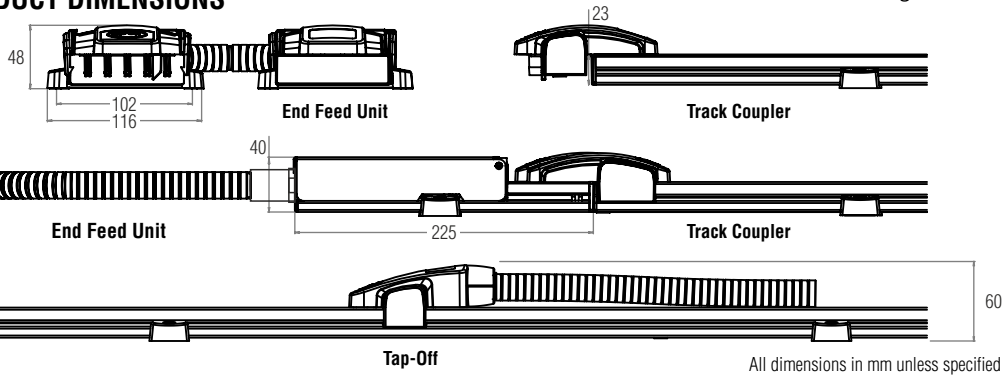


## MECHANICAL CODING



## PRODUCT DIMENSIONS




All dimensions in mm unless specified

## APPROVALS

All Tap-Off's are designed to comply with the requirements of the wiring regulations BS7671:2008 including section 543 (High Integrity Earthing). Power Track system designed to meet the requirements of BS EN61534-22.

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# Burland Connect

## powertrack applications

## Clean Earth Circuit - Clean Earth Low Noise 3 Pole & Earth

| Track Sections | | Feed Unit | |
|---|---|---|---|
| 1.2m x 300mm Pitch Lengths | MPT12C | End Feed Unit | MFUC |
| 1.8m x 300mm Pitch Lengths | MPT18C | **Pre Wired Interlink** | |
| 2.4m x 300mm Pitch Lengths | MPT24C | 1.2m Interlink standard | MIL12C |
| 3.6m x 300mm Pitch Lenghts | MPT36C | 2.4m Interlink standard | MIL24C |

### ELECTRICAL CHARACTERISTICS

| | |
|---|---|
| Rated Current | 63 Amps |
| Rated Voltage | 230/400 Volts |
| Frequency | 50/60 Hz |
| Conditional Short Circuit Rating (Protection device BS88 Fuse) | 16 KA |
| Conductor Resistance Line & Neutral | 3.68 mΩ/m |
| Conductor Impedance | 1.85 mΩ/m |
| Volt Drops Line & Neutral | |
| Power Track | 3.68 mV/A/m |
| Tap Off fitted with 4mm² Cable | 11 mV/A/m |
| Tap Off fitted with 2.5mm² Cable | 18 mV/A/m |
| Feed Unit & Coupler | 2.2 mV/A |
| Tap-Off | 0.73 mV/A |
| 4mm² Cable | 12 mV/A/m |
| Coupler | 1.5 mV/A |
| Interlink Unit | 4.5 mV/A |
| 10mm² Cable | 4.7 mV/A/m |
| Earth Fault Loop Impedance | |
| Line to Ground (Casing) | 2.8 mΩ/m |
| Line to Ground (Conductor) | 3.2 mΩ/m |
| Line to Ground (Conductor + Casing) | 2.8 mΩ/m |
| Feed Unit & Coupler | 2.2 mΩ |
| Tap Off Connection fitted 2.5mm² Cable | 14.5 mΩ/m |
| Tap Off Connection fitted 4mm² Cable | 11 mΩ/m |
| Coupler | 1.5 mΩ |
| Interlink Unit | 4.5 mΩ |
| 10mm² Cable | 4.7 mΩ/m |

### MECHANICAL DATA

| | |
|---|---|
| Number of Copper conductors | 3 |
| Conduit Cross-sectional Area (Nominal) | 19 mm² |
| Powertrack Casing Copper Equivalent | 14 mm² |
| Cable Termination Capacity | 16 mm |
| Tap-Off Cable 32 Amp | 4 mm² |
| Tap-Off Cable 13A fused (BS7211) | 2.5 mm² |
| Tap-Off Conduit Sizes O/D | 16 or 20 mm |
| Flexible Interlink Cable | 10 mm² |
| Feed Conduit Entry | 1 x 25 mm |
| IP Rating | 40 |
| Minimum void depth (track + tap-off) | 60 mm |

### MATERIAL SPECIFICATION

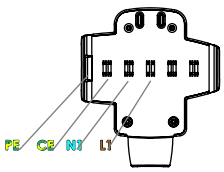
| | |
|---|---|
| Power Track Casing | Galvanised Steel |
| Conductors | HC High Conductive Copper |
| Power Track Insulators | POM |
| Sockets/ Tap -Off Plugs/ Joint Moulding | Flame Retardant Polycarbonate |
| Shutter | POM |
| Tap-Off Cable | LSOH BS 7211 |
| Couple Contacts | Brass |
| Tap-Off Plug Ins | Brass |
| Feed Unit Case | Galvanised Steel |
| Flexible Interlink Cable | TriRated BS6231 |
| Feed / Flexible Interlink Housing | Galvanised Steel |
| Tap-Off/Flexible Interlink conduit, metal | Electro-galvanised Steel |
| Track feed connector terminals/earth block | Brass |
| Track Fixing Brackets | Flame Retardant Polycarbonate |
| 13 Amp Tap-Off Fuse | BS 1362 ASTA approved |

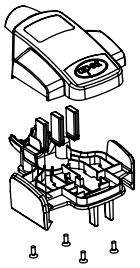
## TAP OFF

| Description | Product Code |
|---|---|
| 3m Tap-Off Unit Unfused 32A | MT3CUF |
| 3m Tap-Off Unit Fused 13A | MT3CF |
| 5m Tap-Off Unit Unfused 32A | MT5CUF |
| 5m Tap-Off Unit Fused 13A | MT5CF |

### CONTACT CONFIGURATION

**Clean Earth Circuit**
**3 Pole & Earth** **L1, N1, CE & PE**



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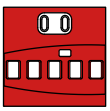
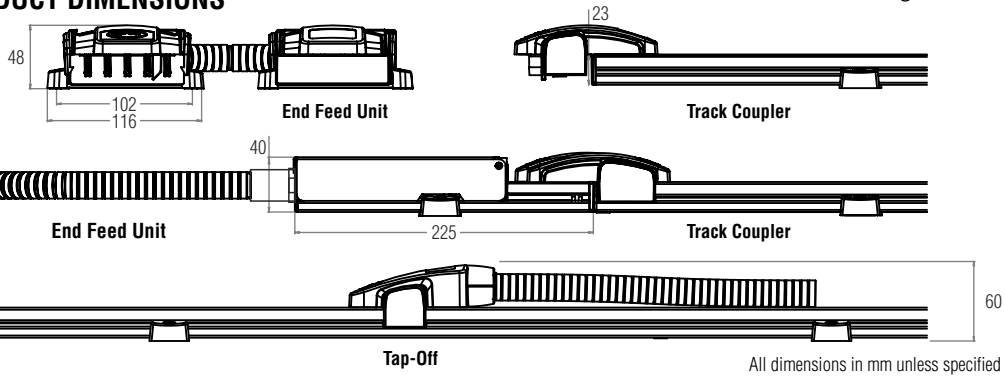


### PRODUCT DIMENSIONS




All dimensions in mm unless specified

### APPROVALS

All Tap-Off's are designed to comply with the requirements of the wiring regulations BS7671:2008 including section 543 (High Integrity Earthing). Power Track system designed to meet the requirements of BS EN61534-22.

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# Burland Connect

## powertrack applications

## Dual Circuit - Std & Clean Earth Low Noise 5 Pole & Earth

| Track Sections | | Feed Unit | | Tap Off | Dual Circuit | Standard | Clean Earth |
|---|---|---|---|---|---|---|---|
| 1.2m x 300mm Pitch Lengths | MPT12D | End Feed Unit | MFUD | 3m Tap-Off Unit Unfused 32A | MT3DUFL12 | MT3SUF (Std) | MT3CUF (CE) |
| 1.8m x 300mm Pitch Lengths | MPT18D | **Pre Wired Interlink** | | 3m Tap-Off Unit Fused 13A | | MT3SF (Std) | MT3CF (CE) |
| 2.4m x 300mm Pitch Lengths | MPT24D | 1.2m Interlink standard | MIL12D | 5m Tap-Off Unit Unfused 32A | MT5DUFL12 | MT5SUF (Std) | MT5CUF (CE) |
| 3.6m x 300mm Pitch Lenghts | MPT36D | 2.4m Interlink standard | MIL24D | 5m Tap-Off Unit Fused 13A | | MT5SF (Std) | MT5CF (CE) |

### ELECTRICAL CHARACTERISTICS

| | |
|---|---|
| Rated Current | 63 Amps |
| Rated Voltage | 230/400 Volts |
| Frequency | 50/60 Hz |
| Conditional Short Circuit Rating (Protection device BS88 Fuse) | 16 KA |
| Conductor Resistance Line & Neutral | 3.68 mΩ/m |
| Conductor Impedance | 1.85 mΩ/m |
| Volt Drops Line & Neutral | |
| Power Track | 3.68 mV/A/m |
| Tap Off fitted with 4mm² Cable | 11 mV/A/m |
| Tap Off fitted with 2.5mm² Cable | 18 mV/A/m |
| Feed Unit & Coupler | 2.2 mV/A |
| Tap-Off | 0.73 mV/A |
| 4mm² Cable | 12 mV/A/m |
| Coupler | 1.5 mV/A |
| Interlink Unit | 4.5 mV/A |
| 10mm² Cable | 4.7 mV/A/m |
| Earth Fault Loop Impedance | |
| Line to Ground (Casing) | 2.8 mΩ/m |
| Line to Ground (Conductor) | 3.2 mΩ/m |
| Line to Ground (Conductor + Casing) | 2.8 mΩ/m |
| Feed Unit & Coupler | 2.2 mΩ |
| Tap Off Connection fitted 2.5mm² Cable | 14.5 mΩ/m |
| Tap Off Connection fitted 4mm² Cable | 11 mΩ/m |
| Coupler | 1.5 mΩ |
| Interlink Unit | 4.5 mΩ |
| 10mm² Cable | 4.7 mΩ/m |

### MECHANICAL DATA

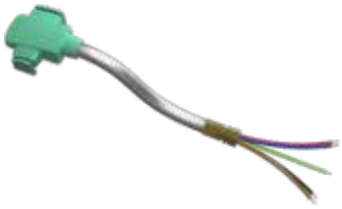
| | |
|---|---|
| Number of Copper conductors | 5 |
| Conduit Cross-sectional Area (Nominal) | 19 mm² |
| Powertrack Casing Copper Equivalent | 14 mm² |
| Cable Termination Capacity | 16 mm |
| Tap-Off Cable 32 Amp | 4 mm² |
| Tap-Off Cable 13A fused (BS7211) | 2.5 mm² |
| Tap-Off Conduit Sizes O/D | 16 or 20 mm |
| Flexible Interlink Cable | 10 mm² |
| Feed Conduit Entry | 1 x 25 mm |
| IP Rating | 40 |
| Minimum void depth (track + tap-off) | 60 mm |

### MATERIAL SPECIFICATION

| | |
|---|---|
| Power Track Casing | Galvanised Steel |
| Conductors | HC High Conductive Copper |
| Power Track Insulators | POM |
| Sockets/ Tap -Off Plugs/ Joint Moulding | Flame Retardant Polycarbonate |
| Shutter | POM |
| Tap-Off Cable | LSOH BS 7211 |
| Couple Contacts | Brass |
| Tap-Off Plug Ins | Brass |
| Feed Unit Case | Galvanised Steel |
| Flexible Interlink Cable | TriRated BS6231 |
| Feed / Flexible Interlink Housing | Galvanised Steel |
| Tap-Off/Flexible Interlink conduit, metal | Electro-galvanised Steel |
| Track feed connector terminals/earth block | Brass |
| Track Fixing Brackets | Flame Retardant Polycarbonate |
| 13 Amp Tap-Off Fuse | BS 1362 ASTA approved |

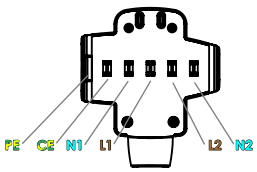
### TAP OFF

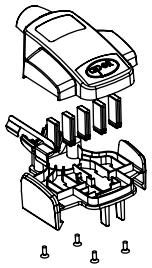
| Description | Product Code |
|---|---|
| 3m Tap-Off Unit Unfused 32A, Dual Circuit | MT3CUFL12 |
| 3m Tap-Off Unit Unfused 32A | MT3SUF / MT3CUF |
| 3m Tap-Off Unit Fused 13A | MT3SF / MT3CF |
| 5m Tap-Off Unit Unfused 32A, Dual Circuit | MT5CUFL12 |
| 5m Tap-Off Unit Unfused 32A | MT5SUF / MT5CUF |
| 5m Tap-Off Unit Fused 13A | MT5SF / MT5CF |



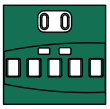
### CONTACT CONFIGURATION

**Standard & Clean Earth Low Noise**
**5 Pole & Earth** **L1, L2, N1, N2, CE & PE**

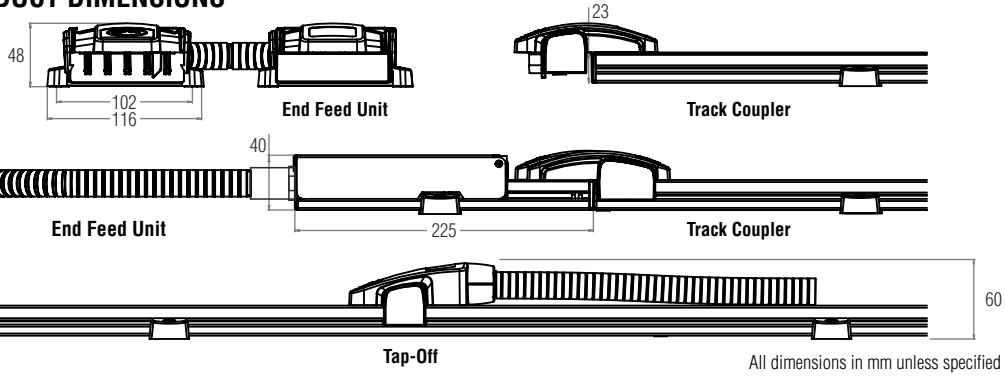


### MECHANICAL CODING



### PRODUCT DIMENSIONS




All dimensions in mm unless specified

### APPROVALS

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# Burland Connect

## powertrack applications

## 3 Phase Circuit - 5 Pole

| Track Sections | | Feed Unit | | Tap Off | Dual Circuit | Standard | Clean Earth |
|---|---|---|---|---|---|---|---|
| 1.2m x 300mm Pitch Lengths | MPT12D | End Feed Unit | MFUD | 3m Tap-Off Unit Unfused 32A | MT3DUFL12 | MT3SUF (Std) | MT3CUF (CE) |
| 1.8m x 300mm Pitch Lengths | MPT18D | **Pre Wired Interlink** | | 3m Tap-Off Unit Fused 13A | | MT3SF (Std) | MT3CF (CE) |
| 2.4m x 300mm Pitch Lengths | MPT24D | 1.2m Interlink standard | MIL12D | 5m Tap-Off Unit Unfused 32A | MT5DUFL12 | MT5SUF (Std) | MT5CUF (CE) |
| 3.6m x 300mm Pitch Lenghts | MPT36D | 2.4m Interlink standard | MIL24D | 5m Tap-Off Unit Fused 13A | | MT5SF (Std) | MT5CF (CE) |

## ELECTRICAL CHARACTERISTICS

| | |
|---|---|
| Rated Current | 63 Amps |
| Rated Voltage | 230/400 Volts |
| Frequency | 50/60 Hz |
| Conditional Short Circuit Rating (Protection device BS88 Fuse) | 16 KA |
| Conductor Resistance Line & Neutral | 3.68 mΩ/m |
| Conductor Impedance | 1.85 mΩ/m |
| Volt Drops Line & Neutral | |
| Power Track | 3.68 mV/A/m |
| Tap Off fitted with 4mm² Cable | 11 mV/A/m |
| Tap Off fitted with 2.5mm² Cable | 18 mV/A/m |
| Feed Unit & Coupler | 2.2 mV/A |
| Tap-Off | 0.73 mV/A |
| 4mm² Cable | 12 mV/A/m |
| Coupler | 1.5 mV/A |
| Interlink Unit | 4.5 mV/A |
| 10mm² Cable | 4.7 mV/A/m |
| Earth Fault Loop Impedance | |
| Line to Ground (Casing) | 2.8 mΩ/m |
| Line to Ground (Conductor) | 3.2 mΩ/m |
| Line to Ground (Conductor + Casing) | 2.8 mΩ/m |
| Feed Unit & Coupler | 2.2 mΩ |
| Tap Off Connection fitted 2.5mm² Cable | 14.5 mΩ/m |
| Tap Off Connection fitted 4mm² Cable | 11 mΩ/m |
| Coupler | 1.5 mΩ |
| Interlink Unit | 4.5 mΩ |
| 10mm² Cable | 4.7 mΩ/m |

## MECHANICAL DATA

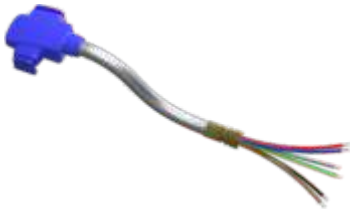
| | |
|---|---|
| Number of Copper conductors | 5 |
| Conduit Cross-sectional Area (Nominal) | 19 mm² |
| Powertrack Casing Copper Equivalent | 14 mm² |
| Cable Termination Capacity | 16 mm |
| Tap-Off Cable 32 Amp | 4 mm² |
| Tap-Off Cable 13A fused (BS7211) | 2.5 mm² |
| Tap-Off Conduit Sizes O/D | 16 or 20 mm |
| Flexible Interlink Cable | 10 mm² |
| Feed Conduit Entry | 1 x 25 mm |
| IP Rating | 40 |
| Minimum void depth (track + tap-off) | 60 mm |

## MATERIAL SPECIFICATION

| | |
|---|---|
| Power Track Casing | Galvanised Steel |
| Conductors | HC High Conductive Copper |
| Power Track Insulators | POM |
| Sockets/ Tap -Off Plugs/ Joint Moulding | Flame Retardant Polycarbonate |
| Shutter | POM |
| Tap-Off Cable | LSOH BS 7211 |
| Couple Contacts | Brass |
| Tap-Off Plug Ins | Brass |
| Feed Unit Case | Galvanised Steel |
| Flexible Interlink Cable | TriRated BS6231 |
| Feed / Flexible Interlink Housing | Galvanised Steel |
| Tap-Off/Flexible Interlink conduit, metal | Electro-galvanised Steel |
| Track feed connector terminals/earth block | Brass |
| Track Fixing Brackets | Flame Retardant Polycarbonate |
| 13 Amp Tap-Off Fuse | BS 1362 ASTA approved |

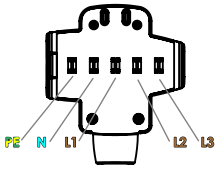
## TAP OFF

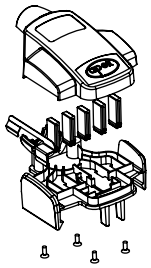
| Description | Product Code |
|---|---|
| 3m Tap-Off Unit Unfused 32A, Phase 1 | MT3PUFL1 |
| 3m Tap-Off Unit Unfused 32A, Phase 2 | MT3PUFL2 |
| 3m Tap-Off Unit Unfused 32A, Phase 3 | MT3PUFL3 |
| 3m Tap-Off Unit Unfused 32A, Phase 1,2 & 3 | MT3PUFL123 |
| 5m Tap-Off Unit Unfused 32A, Phase 1 | MT5PUFL1 |
| 5m Tap-Off Unit Unfused 32A, Phase 2 | MT5PUFL1 |
| 5m Tap-Off Unit Unfused 32A, Phase 3 | MT5PUFL1 |
| 5m Tap-Off Unit Unfused 32A, Phase 1,2 & 3 | MT5PUFL123 |



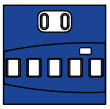
## CONTACT CONFIGURATION

3 Phase
5 Pole L1, L2, L3, N, PE

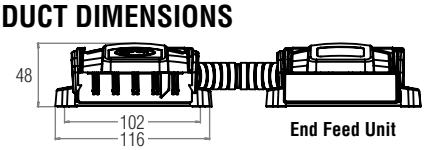


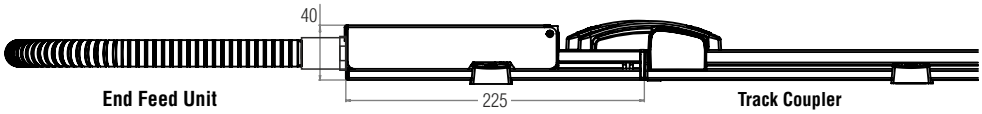



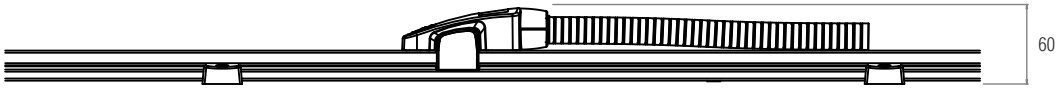
## MECHANICAL CODING



## PRODUCT DIMENSIONS






All dimensions in mm unless specified

## APPROVALS

All Tap-Off's are designed to comply with the requirements of the wiring regulations BS7671:2008 including section 543 (High Integrity Earthing). Power Track system designed to meet the requirements of BS EN61534-22.

Made in Britain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thinking beyond the box . . .
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