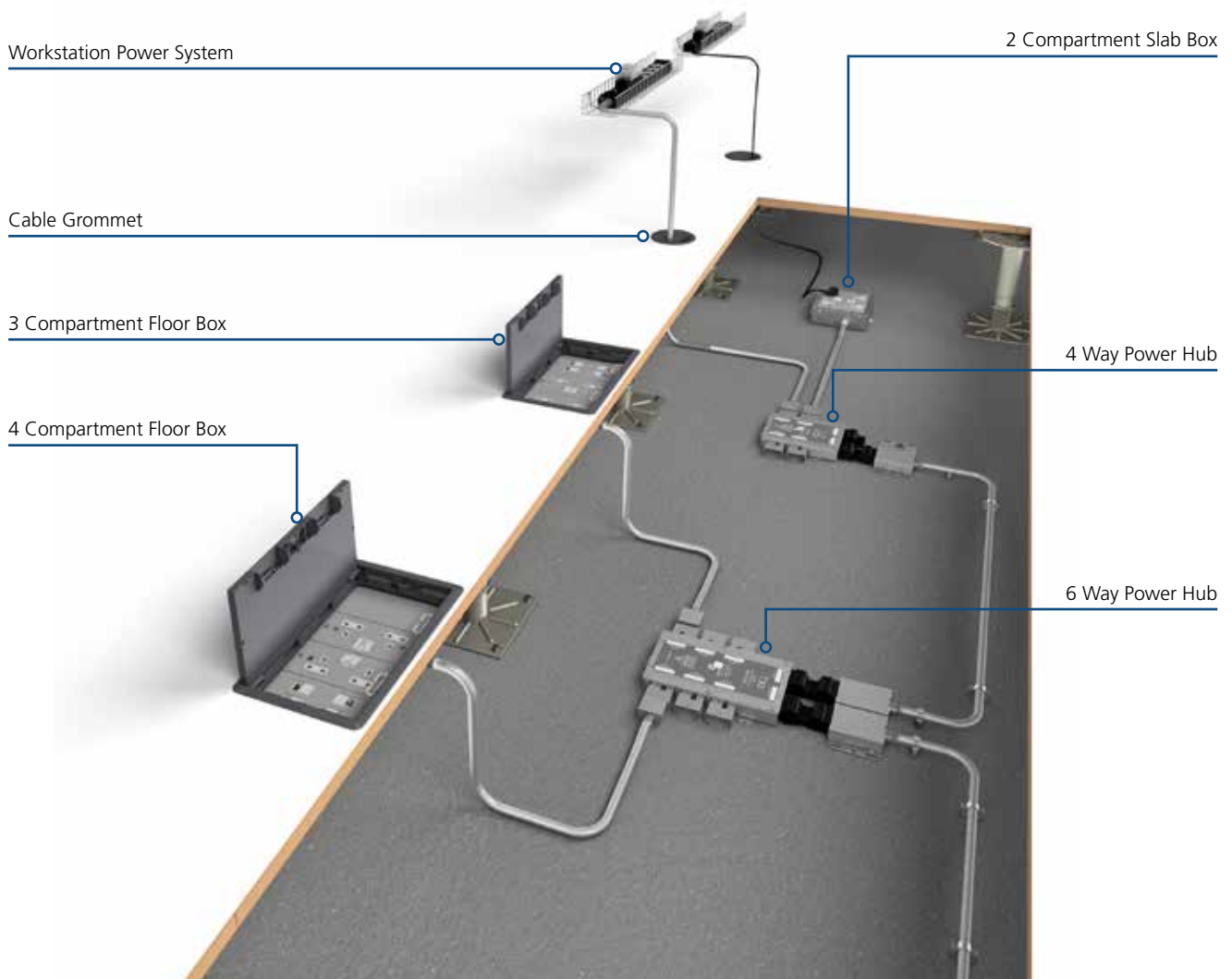


Power Hub Power Distribution

CMD Ltd's 32A Power Hub is a modular solution designed for buildings where a conventional powertrack system can't be installed due to height restrictions or obstacles in the floor void, or where the slab is uneven. Power Hub is an innovative solution when the environment is preventing runs of powertrack being laid at the same level. Power Hub is low profile at 38mm in height and is made from galvanised steel making it a strong and robust solution.

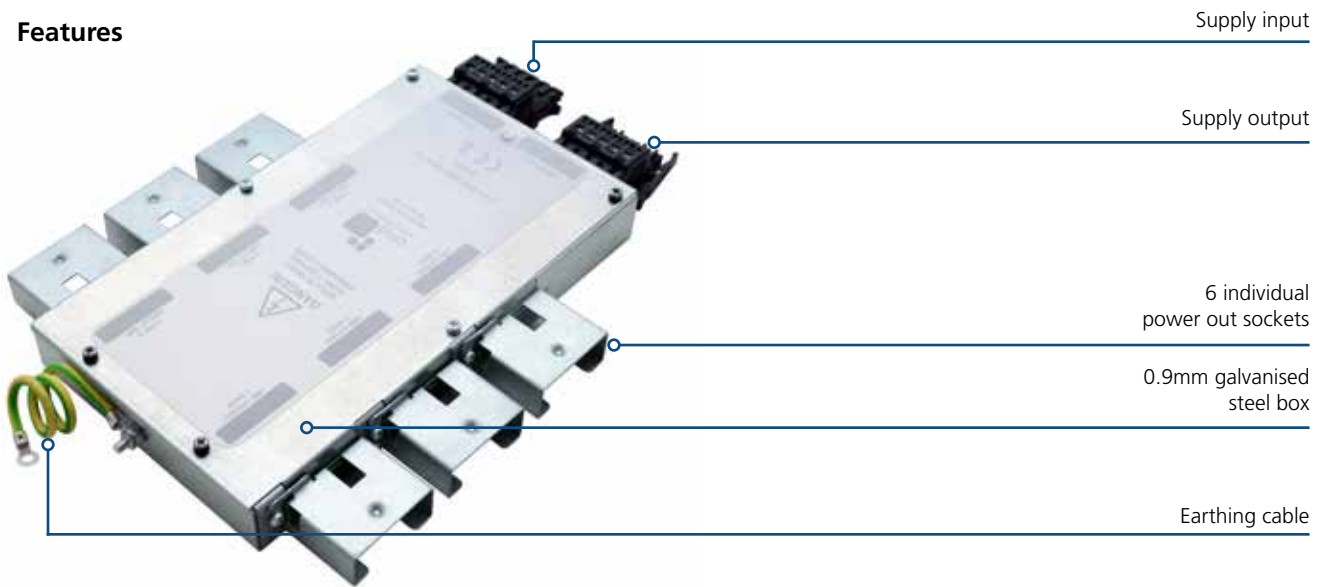
The benefits of using CMD's Power Hub power distribution system:

- Allows compliance with Wiring Regulation 543.7.1.203 BS 7671 for earthing requirements.
- 6 way and 4 way Power Hubs available for multiple configurations.
- A secure tap-off connection is made using BS EN 61535 connectors housed in a metallic housing.
- Supplied with retractable fixing brackets.



Power Hub Power Distribution

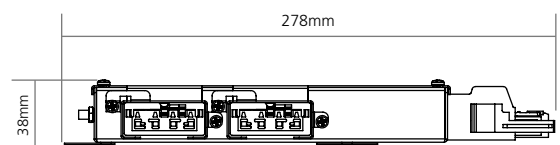
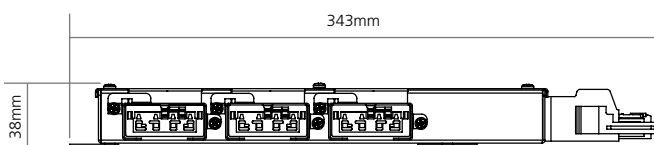
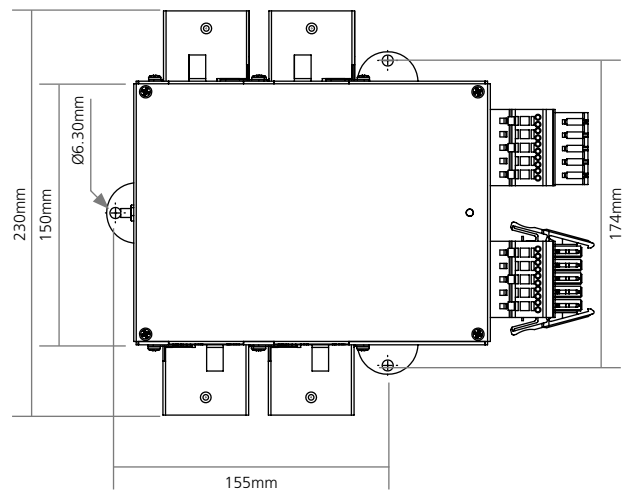
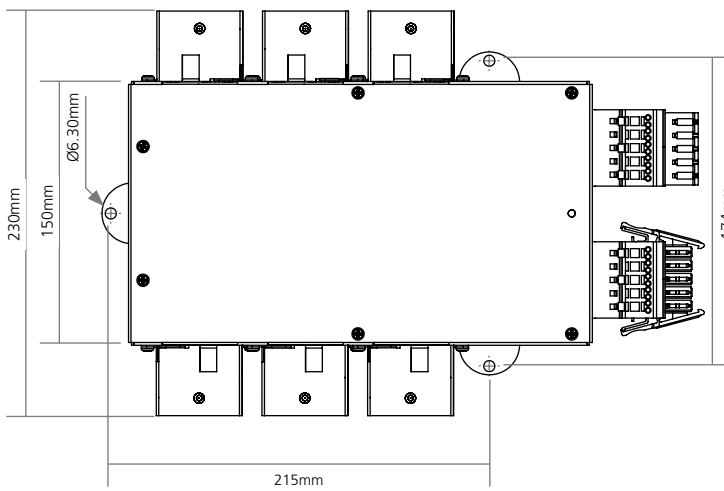
Features



Dimensions:

6 Way

4 Way



Power Hub Specification Guide

STEP 1

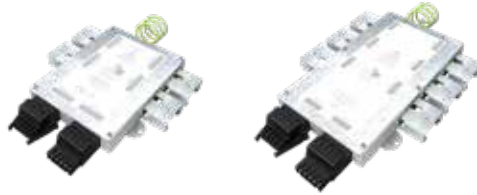
All Power Hub circuits start with a feed unit.



STEP 2

Choose the number of Power Hub outputs required.

- 4-Way
- 6-Way



STEP 3

If additional Power Hubs are linked together on the same circuit choose from our range of pre-wired flexible corners or utilise our flexible corner kit option if it would be more convenient to wire the flexible corner on site (e.g. the flexible corner must pass through/over an obstruction).



STEP 4

Choose from our range of pre-wired tap-offs, floor boxes, slab boxes and desk modules to suit your project. Please feel free to contact us for assistance in specifying these products.



Power Hub Part Numbers

Power Hub

Code	Description
PZB3246MF6/W	6 Way 32A Power Hub
PZB3246MF4/W	4 Way 32A Power Hub

Power Hub Tap-offs

Code	Description
PZLXW434003.0	3m 32A Unfused Tap-off
PZLXW434005.0	5m 32A Unfused Tap-off

Power Hub Feed Units

Code	Description
PZBSTARTERF	Power Hub Feed Unit Suitable for 20mm SWA

Power Hub Neutrik Tap-off

Code	Description
PPA9123/K	5m 32A Unfused Tap-off c/w 3-pole 32A Black Neutrik

Power Hub Flexible Corners

Code	Description
PZLEM536003.0	Power Hub 3m Flexible Corner
PZLEM536005.0	Power Hub 5m Flexible Corner

Power Hub Tap-off with Rotasoc Infeed

Code	Description
RABX2069	32A Infeed Standard Earth Module c/w 5m 32A Unfused Power Hub Tap-off

Power Hub Flexible Corner Kit

Code	Description
PZBFLEXKIT	Power Hub Flexible Corner Kit Suitable for 20mm SWA NB: Not supplied with cables or conduit.

3 Compartment Floor Box with 3m Tap-off

Code	Description
P20385G/HS3U101	1x Twin 13A Switched Socket
P20385G/HS3U102	1x Twin 13A Switched RCD Socket
P20385G/HS3U203	2x Twin 13A Switched Sockets
P20385G/HS3U204	2x Twin 13A Switched RCD Sockets

4 Compartment Floor Box with 3m Tap-off

Code	Description
P20485G/HS3U109	1x Twin 13A Switched Socket
P20485G/HS3U110	1x Twin 13A Switched RCD Socket
P20485G/HS3U211	2x Twin 13A Switched Sockets
P20485G/HS3U212	2x Twin 13A Switched RCD Sockets

3 Compartment Floor Box with 5m Tap-off

Code	Description
P20385G/HS5U105	1x Twin 13A Switched Socket
P20385G/HS5U106	1x Twin 13A Switched RCD Socket
P20385G/HS5U207	2x Twin 13A Switched Sockets
P20385G/HS5U208	2x Twin 13A Switched RCD Sockets

4 Compartment Floor Box with 5m Tap-off

Code	Description
P20485G/HS5U113	1x Twin 13A Switched Socket
P20485G/HS5U114	1x Twin 13A Switched RCD Socket
P20485G/HS5U215	2x Twin 13A Switched Sockets
P20485G/HS5U216	2x Twin 13A Switched RCD Sockets

Power Hub Tap-off Specification

CMD Ltd's tap-off units are for use with the Power Hub system and are supplied with a locking mechanism preventing accidental disconnection. Tap-off units are unfused and come in various lengths.

The metal flexible conduit on all CMD Power Hub Tap-offs are supplied at 225mm less than the 3m and 5m stated lengths to allow for electrical connections to components without stressing the electrical terminations. Therefore, a 3m tap-off will have a metallic flexible conduit length of 2775mm and a 5m tap-off will be 4775mm long.

CMD tap-off units allow compliance with option (ii) of wiring regulation 543.7.1.203, BS 7671 earthing requirements for installations of equipment having high protective conductor currents. This is achieved because the metal flexible conduit is 16mm diameter and encloses a 4mm² protective conductor.

Power Hub Mechanical and Electrical Data

Electrical Characteristics					
Product Compliance	General requirements for electrical accessories. Specification		BS 5733		
Rated Current	32	Amps			
Rated Voltage	250	Volts			
Frequency	50	Hz			
Short time withstand current	1200	A for 0.4 Sec			
Volt Drops (Line and Neutral)	Extender Lead 6mm ² Cable	7.3	mV/A/m		
	Tap-off 4mm ² Cable	11.0	mV/A/m		
	Male/Female Connectors	1.5	mV/A		
	Power Hub through connection	8.5	mV/A		
Earth Fault Loop Impedance	Extender Lead 6mm ² Cable	6.16	mΩ/m		
	Tap-off 4mm ² Cable	9.22	mΩ/m		
	Male/Female Connectors	1.0	mΩ		
	Power Hub through connection	5.09	mΩ		
Mechanical Data					
Number of Copper Conductors	3				
Cross-section Area	4.0/6.0	mm ²			
Cable Termination Capacity feed unit	4.0-6.0		mm ²		
Tap-off Cable 32A (BS 7211)	4.0		mm ²		
Tap-off Conduit Size	Ø16		mm		
Flexible Corner Unit Cable (BS 7211)	6.0		mm ²		
Flexible Interlink Conduit	Ø16		mm		
Feed Conduit Entry	1 x Ø20		mm		
IP Rating BS EN 60529	2XC		IP		
Material Specification					
Casing	Galvanised Steel				
Conductors internal	LSOH BS 7211				
Connectors	Wago Connectors Series 831 & 770 BS EN 61535				
Connector Contacts	Copper or copper alloy (surface-treated)				
Feed Unit Terminals	Push-in CAGE CLAMP Chrome nickel spring steel (CrNi)				
Tap-off Socket and Plug Mouldings	Polyamide (PA66)				
Tap-off Conductors	LSOH BS 7211				
Flexible Corner Conductors	LSOH BS 7211				
Ambient Temperature Control Factors					
Temperature	30C	35C	40C	45C	50C
Factor	1.0	0.94	0.87	0.79	0.71