

Vermason		Product Information No: PIS 008		
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EUROPEAN EARTH BONDING POINT PLUG

Code J6100 to J6120

To fit UK European CEE (7) VII Schuko sockets as used in Belgium, France, Germany, Holland, Spain.

The Vermason Earth Bonding Point (EBP) plug is designed to provide a safe effective and easy to use earthing point in an ESD protected area (EPA). The plug fits into the mains supply socket, making a connection with the earth conductor only. In place of the live and neutral pins are moulded insulating plastic pins to allow positive location in the socket. Connectors on the front of the plug are available for connection via ground cords to the various elements of the EPA. Thus each element is held at a common potential, namely earth.

The normal earth contact is linked via individual 1 MΩ resistors rated at 1 Watt to each connector on the front of the plug. In the event of a workstation element becoming live the resistor will limit the fault current to less than 0.3 mA at 240 V supply.

It is virtually impossible to misuse the plug, which is permanently sealed. The resistance between the terminations and the pin of each plug is tested after manufacture.

Instructions for use

Check that the connectors on the plug face correspond with the terminations on the wrist strap and ground cords: several variations of the plug are available.

Insert the EBP plug into a mains supply socket and push it fully home. The plug functions safely whether the socket is switched off or on.

Connect the elements of the EPA such as bench mat and floor mat to the EBP plug face using ground cords.

Note: To avoid the need for unduly long ground cords and to simplify the daily visual check that all connections are sound and in place, an EBP plug should not be shared by more than two work stations.

The EBP plug may also be used in conjunction with a Vermason EBP box or bar installed at the front of a bench for easier connecting of wrist straps for example.

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Technical Information

Plug codes and their corresponding connectors:

J6100	1 x 4mm, 2 x 10mm press stud
J6101	1 x 4mm, 2 x 7mm press stud
J6102	3 x 4mm press stud
J6103	3 x 10mm press stud
J6104	3 x 7mm press stud
J6105	2 x 7mm, 1 x 10mm press stud
J6107	2 x 2BA binding post
J6122	1 x 10mm stud, 2 x 4mm safety plug socket
J6123	2 x 4mm safety plug socket

Colour:	yellow face, white body
Size of plug casing:	63 x 49 x 49mm
Mass:	36 grammes
Connector to earth pin resistance:	0.95-1.05 M Ω
Connector to connector resistance:	approx 2 M Ω

Packaging

EBP plugs are packed and labelled individually in a polyethylene bag

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