

Vermason		Product Information	No: PIS 025	
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EARTH BONDING POINT PLUG

Code J6300 to J6350

Farnell Part No 936-868, 254-356, 254-370

To fit UK mains sockets

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.

The normal earth pin is linked via individual 1M Ω 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.

If overstressed the resistor will open the circuit.

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:

J6302	3x4 mm press stud
J6303	3x10 mm press stud
J6306	2x4 mm, 1x10 mm press stud
J6310	3x4 mm plug socket
J6320	2x2BA binding post
J6341	1x4 mm, 1x7 mm, 1x10 mm press stud

Colour:	yellow
Size of plug casing:	51 x 49 x 31 mm
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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