

## Technical Information

To fit UK European CEE (7) VII Schuko sockets.



The Earth Bonding Point (EBP) plug is designed to provide a common ground point for grounding using protective earth 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. A resistance of sufficient resistance to limit current to less than 0.0005 amperes (0.5 milliamperes), at the highest voltage that may be encountered, should be incorporated. Nominally, 800 kilohms are sufficient for voltages of up to 240 volts alternating current (AC). The value of one megohm is specified because it is a standard value discrete resistor. Follow appropriate regulatory or company safe grounding instructions. (Ref: ANSI/ESD S1.1)

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.

- The plug is *ONLY* to be used for ESD control purposes. *NOT* to be used for earthing electrical appliances.
- *ONLY* use ground cords with compatible connections to those on plug.
- 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 workstations.
- *DO NOT* open or try to repair. Test the plug by measuring the resistance from each termination to the Earth pin. Resistance should be between 0.8 and 1.2 megohm.

Unless otherwise noted, tolerance  $\pm 10\%$   
Specifications and procedures subject to change without notice.

## Variations

	<b>EP0101001</b> European Schuko Plug with <ul style="list-style-type: none"> <li>• 3 x 10mm Studs</li> <li>• German inscription</li> </ul>
	<b>EP0101002</b> European Schuko Plug with <ul style="list-style-type: none"> <li>• 2 x 10mm Studs</li> <li>• 1 x 4mm Stud</li> <li>• English inscription</li> </ul>
	<b>EP0101004</b> European Schuko Plug with <ul style="list-style-type: none"> <li>• 2 x Binding Posts</li> <li>• German inscription</li> </ul>
	<b>EP0101010</b> UK 13A Plug with <ul style="list-style-type: none"> <li>• 1 x Binding Post</li> <li>• English inscription</li> </ul>
	<b>EP0101011</b> UK 13A Plug with <ul style="list-style-type: none"> <li>• 3 x 10mm Studs</li> <li>• English inscription</li> </ul>