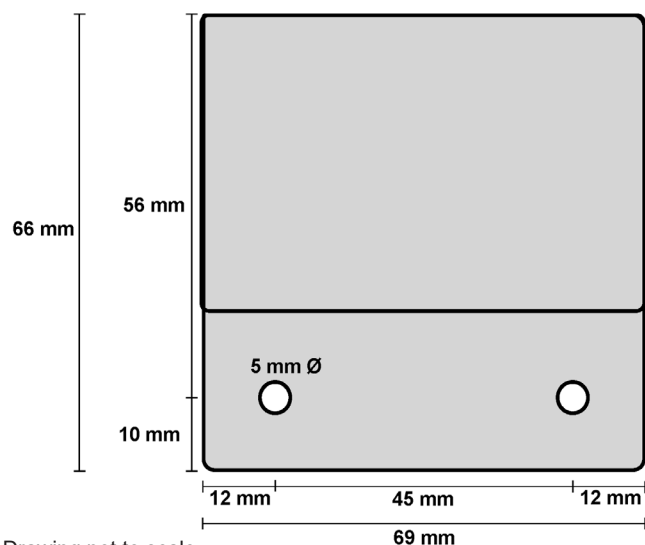




**231400**



Drawing not to scale

*"The protection of ESDS [ESD sensitive item] is accomplished by providing a ground path to bring ESD protective materials and personnel to the same electrical potential. All conductor and dissipative items in the environment, including personnel, shall be bonded or electrically connected to a known ground or common connection point [Earth Bonding Point]."*

[CLC/TR 61340-5-2 User guide clause 4.4.1 Grounding/bonding systems Introduction]

Unless otherwise noted, tolerance  $\pm 10\%$

Specifications and procedures subject to change without notice.

## Description

1. The EBP boxes meet the need defined in EN 61340-5-1 for connecting the elements of an ESD Protected Area (EPA) to a common connection point or Earth Bonding Point (EBP).
2. The boxes manufactured from yellow ABS are designed to be bench mounted and are 69mm (W) x 66mm (L) x 20mm (D).
3. The normal earth contact is linked via individual 1 megohm current limiting resistor rated at 1/2W. In the event of a workstation element inadvertent contact with the mains supply voltage, the resistor will limit the fault current to less than 0.3mA at 240V. The resistor is capable of withstanding 500VDC for 6 minutes.
4. Ground points are either 10mm socket or 4mm plug socket.
5. Various connectors are available each linked to an earth ground cord 3m long.
6. The cord is terminated with an M5 ring terminal.
7. A spare terminal is provided should the cord need to be shortened.
8. Each box is supplied with two fitting screws for mounting purposes.

Item	Description
<a href="#">231380</a>	EBP Box with 2 x 4mm Plug Sockets, 1 x 10mm Stud
<a href="#">231395</a>	EBP Box with 3 x 10mm Stud, 0 Megohm
<a href="#">231400</a>	EBP Box with 3 x 4mm Plug Sockets



Made in the  
United Kingdom

## EBP Boxes

# DESCO EUROPE

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**Drawing Number**  
231380

**DATE:**  
July  
2023