



# starkstrom

a Progility company

Powering Healthcare

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www.starkstrom.com

## Earth Reference Bar - Type 0 (IET)

As part of a safe medical electrical installation, the Starkstrom Equipotential Bonding Busbar (EBB - Type 0) is fundamental in creating an equipotential earth bonded zone and helping to prevent significant touch voltages within the patient environment. It is suitable for most Group 1 / Category 4 medical locations.

It is a requirement of HTM06-1, that any Group 1 / Category 4 medical location, has an Equipotential Bonding Busbar (EBB) provided, either in or near the medical location, mounted in an accessible position, typically between 1.0m and 1.8m above FFL.

It is essential to keep earth cable runs as short as possible in order to meet the group 1 IET requirement of <0.7 Ohm, from any two extraneous conductive points. Keeping individual cable runs to <0.35 Ohm will help to achieve this.

Any exposed conductive surface within the medical location should be connected to the EBB. These include, but are not limited too, metal sinks and work surfaces, water pipes, drug cupboards, ceiling mounted hardware incl. ceiling grid, conduits, trunking and cable tray.

All earth connections to the EBB must be by means of a dedicated cable. Earthing by means of trunking, cable tray or cable screens, is not acceptable.

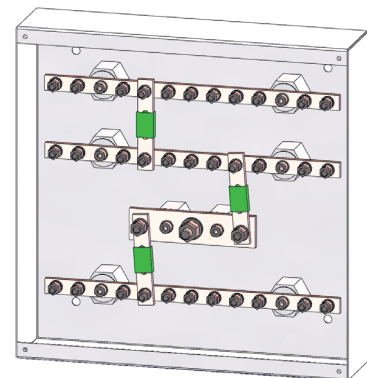
The Type 0 EBB has removable test links, and is therefore suitable for a MEIGaN installation. The test links should be permanently left in place when used in an IET installation. The Type 0 is supplied complete with EBB and ERB front cover labels, so the installation will be compliant whichever method is chosen.

Products are also available which are more suited to Group 2 / Category 5 installations in line with MEIGaN (ERB - Type 7) and in line with IET (EBB - Type 8).

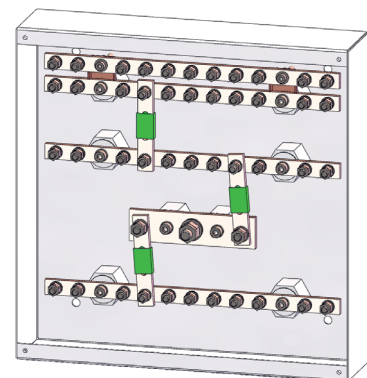
Typical earthing drawings for a variety of medical areas, to both IET and MEIGaN standards, are available on request.



Surface EBB fitted with front cover



Internal view, covers removed



with optional expansion bar fitted

Equipotential Bonding Busbar - Type 0 EBB (IET)			
Nominal Rating	200A	Surface Size (h x w x d)	264 x 264 x 60
Main Bar CSA	48mm <sup>2</sup>	Flush Size (h x w x d)	284 x 284 x 60
Main Incomer	1 x M8	Weight	2Kg
Earth Connections	28 x M5	Mounting Methods	Flush or Surface
Optional Upgrade	Up to 11 x M5 earth connection points can be added to each of the three sub bars		
Standards	BS7671, BS EN 61439-1, HTM06-01, IEC 60364-7-710, (MEIGaN v2.0 – withdrawn)		



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