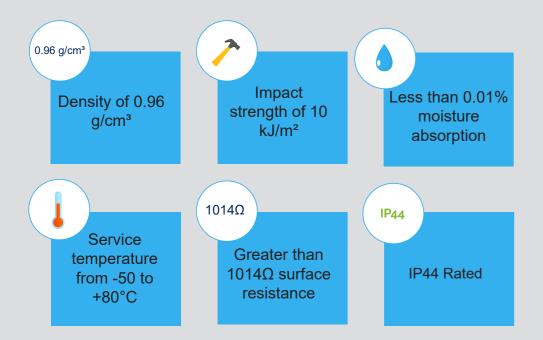


All 'MD' range of boards are made from High-density polyethylene (HDPE).

The 10mm thick 300-Grade High Density Polyethylen, offers good impact resistance, chemical resistance and high rigidity.



All boards are manufactured with adequate lifting points either handles or forklift pockets.

Sizes 1 to 4 have manufactured lifting handles within the board. Sizes 5 to 6 have stainless steel crash frames complete with forklift pockets.

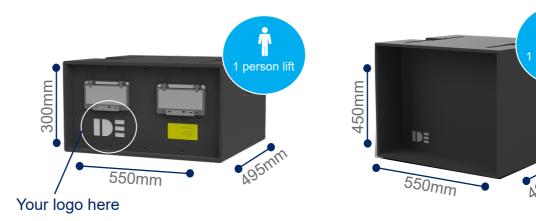
Connection options, plug n play through either:

- > Cee form connectors
- > Power safe connectors
- > All MD Boards are stackable

Built & designed to the following legislation:

- > Built and Manufactured to IP44 standard.
- > IP44 means that it is protected against solid objects that are bigger than 1mm.
- > And water splashing from all directions.

IDE have 6 different 'standard' size boards*



2 person lift

Size 1

Size 2

Size 3







Size 4

Size 5

Size 6

All front & back plates can be manufactured to customer specification dependant on space. Sockets and back plates are recessed fully to protect during transit. Full width rail support bars for all switch gear.



IDE testing procedure



Visual

Inspection

- > Check cables (Sizing/Damage/Colour)
- > Ensure barriers and shrouds are fitted
- > Windows correctly fitted
- > Clearance's (copper laminations)
- > Terminations
- > Electrical connections
- > Earth bar
- > Check protective devices and switch gear to BOM
- > Sockets
- > Check all steel enclosures have pad lock cowls fitted on e.g. SDs in crash frames



Testing

- > Check all termination tightness
- > Prove the test equipment
- > Continuity of all conductors including protective earth
- > Insulation resistance between all conductors to all conductors @ 500V DC
- > Flash test@ 2.5KV if required
- > Connect M3PPI before live test



Testina

- > Fit all covers and shrouds LIVE TEST No unauthorised access during live testing
- > Test the test equipment on a known source
- > Polarity
- > Phase sequence
- > Led illumination
- - > Function test test buttons/e-stop/MF meters/climate control
 - > RCD trip time test
 - > Re-test the test equipment on a known source



Final Testing

- > All Warning Labels are fitted and correct (continuity of label placement across IDE fleet)
- > All drawings and data sheets are correct and attached
- > Test certification signed off and attached
- > All relevant keys to be attached (ELR/Panel/AMF)
- > Next inspection is by our customer so make sure all is correct

Certificate of Conformity BS EN 60309-Plugs, socket-outlets and couplers for industrial purposes. 1:1999+A2:2012 General requirements Plugs, socket-outlets and couplers for industrial purposes. BS EN 60309-Dimensional interchangeability requirements for pin and contact-tube 2:1999+A2:2012 accessories Low-voltage switchgear and control gear assemblies. Particular requirements BS EN 61439for low-voltage switchgear and control gear assemblies intended to be installed 2,3,4,5,7:2012 in places where unskilled persons have access to their use. Distribution boards BS EN 60529:1992 Specification for degrees of protection provided by enclosures (IP code) A2:2013 BS EN 60947-Low-voltage switchgear and control gear. General Rules 1:2007+A2:2014 BS EN 60947-Low-voltage switchgear and control gear. Circuit-breakers 2:2017 Low-voltage switchgear and control gear. Ancillary equipment. Terminal blocks EN 60947-7-1:2009 for copper conductors Residual current operated circuit-breakers with integral over current EN 61009-1:2004 protection for household and similar uses (RCBO's). General rules Requirements for electrical installations. IEE Wiring Regulations. BS 7671:2018 Seventeenth edition Code of practice for temporary electrical systems for entertainment and BS 7909:2011 related purposes Distribution Of Electricity On Construction And Demolition Sites-Code Of BS 7375:2010 Practice