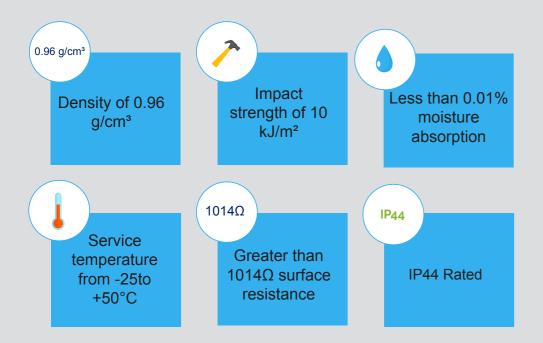


All 'MD' range of boards are made from High-density polyethylene (HDPE).

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**\*





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



**Testing** 

- > 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



- > 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)
- **Final Testing** > Next inspection is by our customer so make sure all is correct

### **Certificate of Conformity**

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