

# Multi Service Distribution Boards

## Horizontal 7, 10 or 16 way 315A rated

### Overview and Presentation

Mild steel wall mounting distribution boards with a horizontal configuration suitable for direct connection to supply network. Factory fitted with 100A rated SP outgoing fuse ways.



16 way version with cover removed

### Features

- Completely removable cover giving full access to board internals
- Powder coated sheet steel construction
- Optional 4 core incoming cable kit
- Site configurable for CNE or SNE cable systems
- M12 fixings for incoming connections and internal busbar links
- Closed cell foam bushing to seal around outgoing cables
- Labeling facility for incoming phases and outgoing circuits
- 3 position entry for incoming supply cable
- Internal transparent screens over incoming and outgoing cable compartments
- 4 keyhole fixing points on raised bosses to compensate for surface irregularities
- Dual padlocking points on cover to prevent unauthorized access
- Optional glanding kit for different cable types eg. copper screened, aluminium or steel wire armoured

**Note:** The equipment described on this data sheet must be installed by suitably qualified personnel according to applicable Local / National Wiring regulations currently in force.

## Low Voltage - Cut Outs

### Product Characteristics

- Cable capacities
  - 7 and 10 way.....95mm<sup>2</sup> or 185mm<sup>2</sup>
  - 16 way.....185mm<sup>2</sup> or 300mm<sup>2</sup>

### Enclosure specification

- Oven-cured epoxy powder coated finish with a minimum thickness of 50 microns
- Standard colour Admiralty grey to BS 381C shade No 632
- Overall 250mm depth enables installation in confined spaces
- Two external M12 earth studs

### Internal equipment

- Operator protection IP2XB (all screens, shrouds and fuse handles in place)
- Equipped with BS 7657 100A rated SP outgoingways (BS 88 30 x 57mm cylindrical cartridge fuses, not supplied)
- Neutral and Earth bars fitted with twin hexagon drive M8 cable pinching screws per terminal
- Serrated cable bores in 100A outgoing ways accept up to 35mm<sup>2</sup> conductors
- Incoming termination kit for 4 core cable specifiable at point of order
- Fully rated Neutral and Earth bars

### Construction

- Enclosure..... Zinc coated mild steel 1.2mm thick
- Busbars..... Electro-tin plated copper
- Terminal blocks..... Brass
- Terminal shields.....Transparent polycarbonate

### Performance data

- Incoming supply..... 315A nominal
- Busbar rating nominal..... 400A
- Supply voltage..... 415V a.c.
- Supply frequency..... 50-60Hz
- Rated insulation voltage..... 690V a.c.
- Short circuit withstand strength: 10kA for 1 second

### Operator protection

- All shrouds and fuse handles in place: IP2XB
- Operational condition, door closed: IP3X
- Recommended N/E bar terminal torque: 3.5Nm

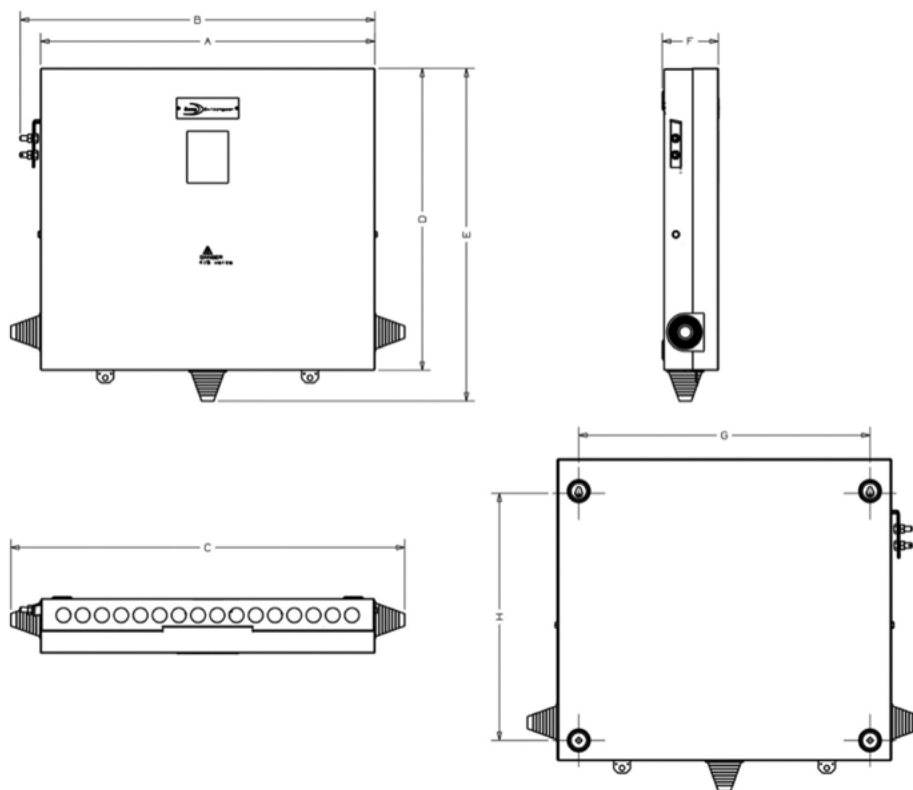
### Conformity to standards

- Third party tested to BS EN 60439-1 (Form 4 compliant)
- Complies with draft ENA Technical Specifications for MSDBs
- IP rating according to BS EN 60529
- Outgoing fuseways to BS 7657:1993

### Weight (excluding fuses)

- 7 way weight (estimated)..... 24.5kgs
- 10 way weight (estimated)..... 26kgs
- 16 way net weight..... 30kgs

General arrangement and dimensions (mm)



Fixing centre detail

	A	B	C	D	E	F	G	H
7 way	390	451	n/a	592	665	135	285	488
10 way	529	592	672	726	800	135	424	628
16 way	807	857	875	827	798	135	703	595

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