

# Multi Service Distribution Boards

## Horizontal

### 315A rated

7, 10 or 16 way



## 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

**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.

# Multi Service Distribution Boards

## Horizontal

### 315A rated



#### 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 outgoing ways (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

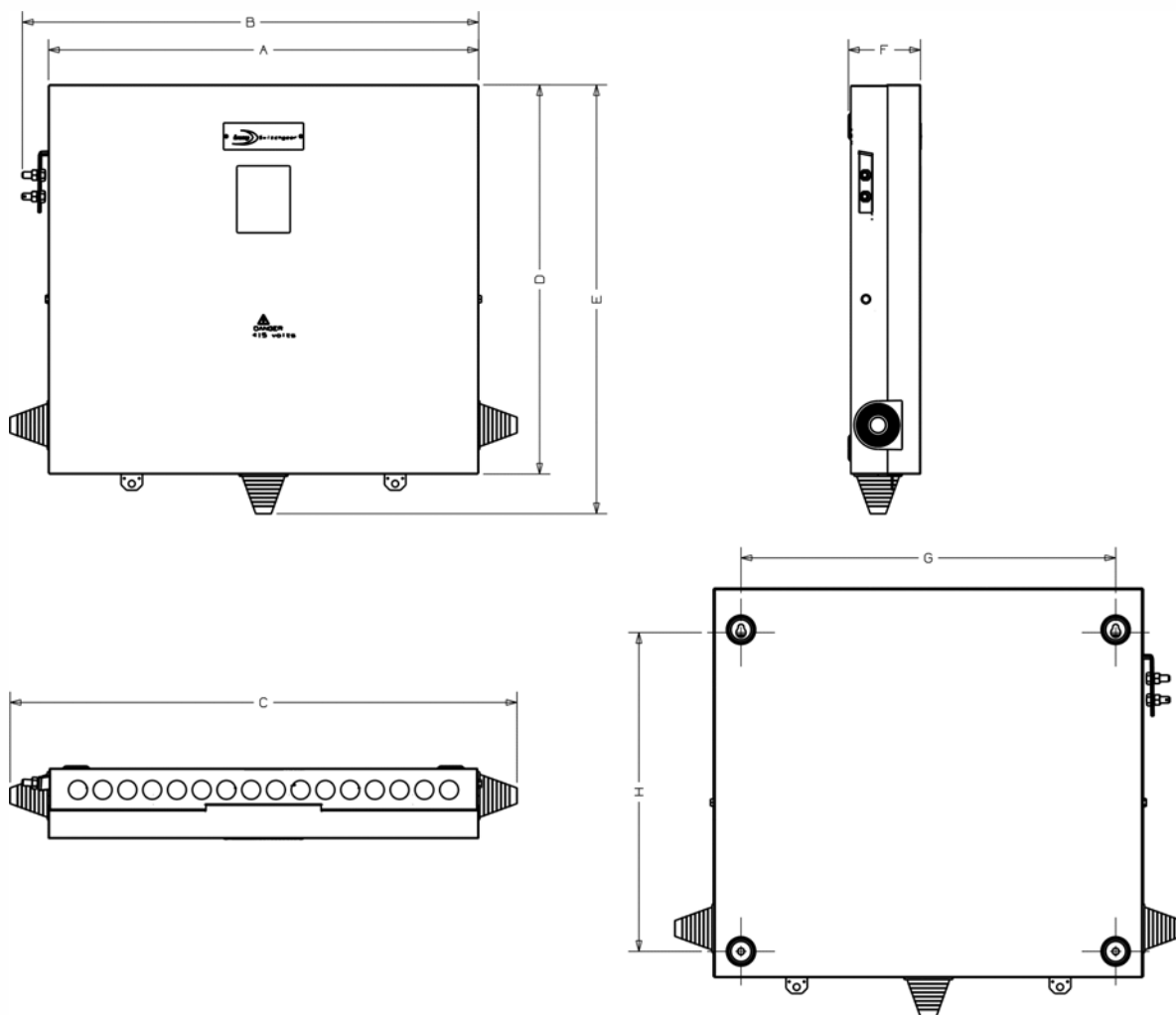


#### Weight (excluding fuses)

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

# Multi Service Distribution Boards Horizontal 315A rated

**▶ General arrangement and dimensions (mm)**



Fixing centre detail

	A	B	C	D	E	F	G	H
<b>7 way</b>	390	451	n/a	592	665	135	285	488
<b>10 way</b>	529	592	672	726	800	135	424	628
<b>16 way</b>	807	857	875	725	798	135	703	595

**Disclaimer**

Lucy Switchgear has a policy of continuous research and development and accordingly reserves the right to change the design and specifications of its products without prior notice or liability.

**Lucy Switchgear**

Howland Road, Thame,  
Oxfordshire, OX9 3UJ, UK  
Tel: **+44 (0) 1844 267267**  
Fax: +44 (0) 1844 267223  
Email: sales@lucyswitchgear.com

**Lucy Middle East**

PO Box 17335, Jebel Ali,  
Dubai, United Arab Emirates  
Tel: **+9714 883 2110**  
Fax: +9714 883 2113  
Email: sales@lucyme.ae

**The Saudi Lucy Company Ltd**

PO Box 834, Al-Khobar,  
31952, Saudi Arabia  
Tel: **+966 3 8823057**  
Fax: +966 3 8822553  
Email: info@saudilucy.com

