

# Heavy Duty Cut Outs Triple Pole and Neutral/Earth

## 200A 400A 600A rated



### Overview and presentation

- All insulated Heavy Duty Cut-out with three in-line BS 88 J type slotted tag fuse links for indoor installation



HDC200 c/w Cable Trough



HDC400 c/w Cable Trough



### Features

- Tough fully insulated construction
- Additional detachable two part cable trough can be mounted to the outgoing side of unit
- Troughs provide choice of three cable entry positions via PVC grommets or brass glands (not supplied)
- HDC600 trough can be fitted to HDC400 unit for increased cable core separation
- Incoming terminations via range taking mechanical shear off connectors or compression lugs
- Outgoing terminations via range taking mechanical leader clamps or compression lugs
- Sealing wire facility
- Removable N/E link for use with CNE and SNE systems
- Removable clear internal insulation shields to incoming and outgoing phase and neutral/earth terminals
- All external cover screws are captivated
- Keyhole fixings on uppermost body attachment points ( recommended size M6 x 50mm)
- Two external M12 earth studs (one pre-drilled to provide wire sealing facility)
- Outgoing cables exit the top of the unit via a closed cell foam cable bush

**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.



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## Construction

- Enclosure (including cable trough)..... Glass reinforced polyamide 6
- Internal busbars.....Electro-tin plated copper
- Fuse link handles..... Polybutylene terephthalate (PBT)
- Clear insulation shields.....Polycarbonate
- Flexible cable grommets.....Synthetic nitrile rubber
- Optional incoming fuse stem shields.....PVC



## Product characteristics

- Fuse centres 200A/400A..... 83mm
- Fuse centres 600A ..... 92mm
- Max cable size 200A..... 120mm<sup>2</sup>
- Max cable size 400A ..... 185mm<sup>2</sup>
- Max cable size 600A ..... 300mm<sup>2</sup>



## Performance

- Rated voltage..... 415V a.c.
- Busbar rating..... According to rating of unit
- Supply frequency.....50-60Hz
- Flammability rating.....UL V2, self-extinguishing 30 seconds at 960 degrees C
- Operator protection
  - In service condition, covers and fuseholder in place.....IP3X
  - Upper outgoing cover removed.....IP2X



## Conformity to Standards

- Conforms to BSEN 60439-1
- Complies with ENATS 37-2, Issue 3/4
- IP rating to BSEN 60592



## Weights and dimensions

### 200A frame size (inc trough)

- Height.....480mm
- Width.....402mm
- Depth.....190mm
- Weight (excluding fuses).....6.95kgs

### 400A frame size (inc trough)

- Height.....634mm
- Width.....549mm
- Depth.....250mm
- Weight (excluding fuses).....11.6kgs

### 600A frame size (inc trough)

- Height .....736mm
- Width..... 549mm
- Depth.....250mm
- Weight (excluding fuses).....13.56kgs

### Fixing screw hole diameters

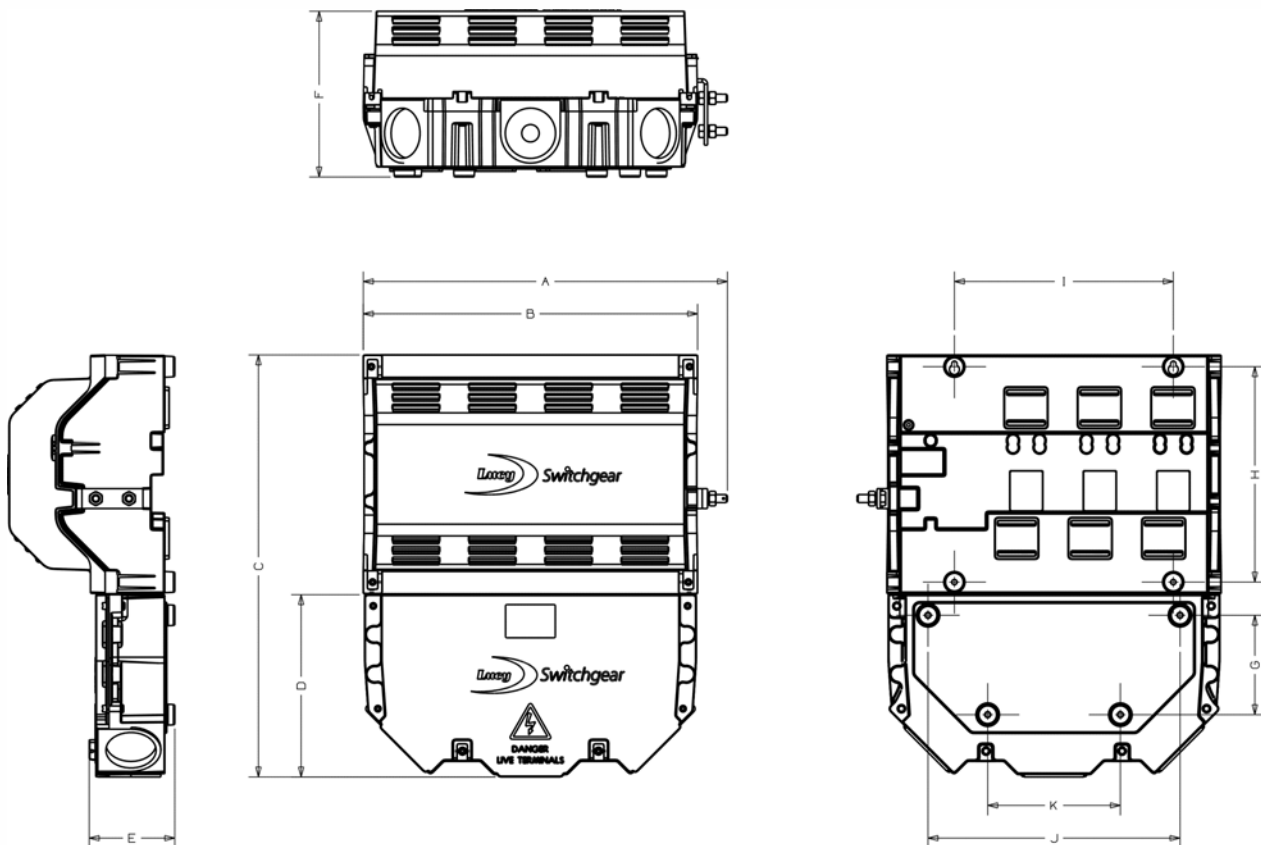
- 200A HDCO and trough.....M6
- 400/600A HDCO and trough.....M8

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## General arrangement and dimensions (mm)

- Trough shown installed in lower position but can also be installed in upper position.



|             | A   | B   | C   | D   | E   | F   | Fixing centre spacing |     |     |     |     |
|-------------|-----|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|
|             |     |     |     |     |     |     | G                     | H   | I   | J   | K   |
| <b>200A</b> | 402 | 356 | 480 | 214 | 122 | 190 | 90                    | 230 | 220 | 240 | 140 |
| <b>400A</b> | 549 | 504 | 736 | 275 | 129 | 250 | 150                   | 320 | 330 | 380 | 200 |
| <b>600A</b> | 549 | 504 | 736 | 374 | 129 | 250 | 250                   | 320 | 330 | 380 | 200 |

**Note:** 600A trough (374 x 504mm) can be fitted to 400A unit for increased wiring space

### 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.

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